Artist Series and Pro Tools® Guide

Version 11.0

Legal Notices

Contents

Chapter 1: Introduction

The Avid® EUCON™ (Extended User Control) adapter enables fully integrated control of Pro Tools® from EUCON-compatible control surfaces.

In Pro Tools 10 and higher, over 500 Pro Tools commands, shortcuts, and other functions are EUCONized and available for Touchscreen and Soft Key assignment via EuControl software.

Default Application Sets are installed with EuControl software, and these provide default assignments for you to start using immediately. You might find the default assignments ideal for your work style. If not, use the Soft Key Command Editor in EuControl software to customize Touchscreen buttons and Soft Keys to best suit your projects and workflow.

This guide explains how to enable Artist Series controllers and use them with Pro Tools 10.0 or higher on supported Mac and Windows systems.

For setup and configuration instructions for EUCON on Pro Series systems (such as MC Pro, System 5-MC and System 5) see the User Guide that came with your hardware. For the latest software updates and information about these Avid control surfaces, visit www.avid.com/proseriessupport.

System Requirements and Compatibility

The features described in this guide require the following:

- Artist Series control surface
- Pro Tools or Pro Tools HD version 10.0 or higher
- EuControl software version 2.6.2 or higher

For downloads and other Artist Series resources, visit:

www.avid.com/artistsupport

Avid can only assure compatibility and provide support for hardware and software it has tested and approved. For complete system requirements and a list of qualified computers, operating systems, hard drives, and third-party devices for Pro Tools, visit: www.avid.com/compatibility

About This Guide

This guide explains how to enable EUCON and use Artist Series control surfaces with Pro Tools.

If you are installing an Artist Series controller for the first time, start with the following resources:

- For EuControl software and Artist Series hardware installation, see the printed documentation that came with your controller.
- For complete information on your unit and EuControl software, see the electronic PDF version of its *User Guide*.
- For a list of all Pro Tools commands available in EuControl for Pro Tools 10, see the *Pro Tools EUCON Guide*.
- For instructions on connecting and configuring Pro Tools, see the software installation and hardware user guides that came with your Avid system.
- For information about using Pro Tools software, see the *Pro Tools Reference Guide* (in Pro Tools, choose Help > Pro Tools Reference Guide).

Conventions Used in This Guide

All of our guides use the following conventions to indicate menu choices and key commands:

Convention	Action
File > Save	Choose Save from the File menu
Control+N	Hold down the Control key and press the N key
Control-click	Hold down the Control key and click the mouse button
Right-click	Click with the right mouse button

The names of Commands, Options, and Settings that appear on-screen are in a different font. The names of keys on Artist Series hardware are in bold (such as **SEL**).

The following symbols are used to highlight important information:

🔅 *User Tips are helpful hints for getting the most from your system.*

⚠ *Important Notices include information that could affect your data or the performance of your system.*

⌨ *Shortcuts show you useful keyboard or mouse shortcuts.*

📖 *Cross References point to related sections in this and other Avid guides.*

About www.avid.com

The Avid website (www.avid.com) is your best online source for information to help you get the most out of your system. The following are just a few of the services and features available.

Product Registration Register your purchase online.

Support and Downloads Contact Avid Customer Success (technical support); download software updates and the latest online manuals; browse the Compatibility documents for system requirements; search the online Knowledge Base or join the worldwide Pro Tools community on the User Conference.

Training and Education Study on your own using courses available online or find out how you can learn in a classroom setting at a certified Pro Tools training center.

Products and Developers Learn about Avid products; download demo software or learn about our Development Partners and their plug-ins, applications, and hardware.

News and Events Get the latest news from Avid or sign up for a demo.

Chapter 2: Software Configuration

Before you proceed, make sure you have completed the following:

• Installed Pro Tools or Pro Tools HD version 10.0 or higher

• Installed the latest EuControl software and attached your Artist Series hardware

💡 *For instructions for EUCON on Pro Series systems (such as MC Pro and System 5), see the User Guide for your system, available from our website at (www.avid.com/proseriessupport).*

Enabling EUCON in Pro Tools

To enable EUCON control in Pro Tools:

1 Make sure EuControl software is running.

• On Mac, your desktop should have a lit EuControl icon in the upper right corner.

EuControl icon

• On Windows, the icon appears in the System tray (or alongside other Hidden Icons if your system is not configured to automatically show icons in the System tray).

EuControl icon in tool bar Hidden Icons (Windows)

If this icon is not lit, make sure your controllers are powered on and attached. If the icon remains unlit, see the installation instructions that came with your Artist Series hardware.

2 Launch Pro Tools.

3 Choose Setup > Peripherals, and click the Ethernet Controllers tab.

4 Select Enable EUCON.
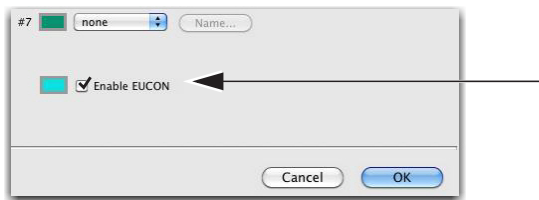
Enabling EUCON in the Peripherals dialog

5 Click OK. You do not need to configure any other Ethernet Controllers settings. These settings do not apply to EUCON.

💡 *Using Artist Series controllers with Pro Tools version 8.x and lower utilized the HUI (MIDI Controller) protocol. This is no longer necessary with Pro Tools 9.0 and higher.*

Pro Tools scans your system until it identifies attached EUCON-compatible hardware. When Pro Tools finishes scanning your system, your controllers are ready to use with Pro Tools.

Using Multiple Units

Multiple Artist Series Units

Artist Series controllers can be combined to form larger, unified systems. For example, you can use two Artist Mix units and an Artist Control simultaneously. Pro Tools will recognize all attached units automatically.

💡 *Use your EuControl software to arrange the layout of multiple units. For more information, see EUCON Application Setup.pdf.*

Other Units

When EUCON is enabled in Pro Tools, the use of additional control surfaces is subject to the following conditions:

◆ You can use the Surround Panner Option, as well as one USB/MIDI-based control surface at the same time as EUCON. A MIDI control surface mirrors the first eight channels on your EUCON devices.

◆ You cannot use another Ethernet-based control surface (such as an ICON worksurface or C|24 control surface) at the same time as EUCON.

Confirm Installation

To confirm installation and communication:

1 Make sure you have enabled EUCON as explained in "Enabling EUCON in Pro Tools" on page 5.

2 Open a session if one is not already open.

3 Verify the Mix window displays a blue-green border around Pro Tools tracks that are currently banked to your controller.

Color outlines in the Mix window showing eight Pro Tools tracks banked to Artist Mix

See the Pro Tools Installation Guide for Pro Tools optimization recommendations.

Chapter 3: Basics

This chapter shows you the basics of using Artist Transport, Artist Mix, and Artist Control with Pro Tools. Along the way you will start to become familiar with the default Application Sets for the Soft Keys (Artist Transport and Artist Control) and the Touchscreen (Artist Control only).

EuControl Basics How to use EuControl software to view and customize assignments and hardware settings (see "EuControl Basics" on page 10).

Do To All and Do To Selected How to use these commands so that you can apply actions to all tracks in a session or to all selected tracks (see "Do To All and Do To Selected" on page 18).

Using the Transport How to use the Transport controls to play, stop, cue, record arm, and more (see "Using the Transport" on page 20).

Banking the Faders How to use Bank and Nudge to be able to view tracks on the fader strips (see "Banking Faders" on page 23).

Fader Controls How to adjust track volume and pan, and solo and mute tracks (see "Fader Strip Controls" on page 24).

Track Basics How to select tracks, assign input and output routing, and how to Show/Hide tracks (see "Track Basics" on page 26).

Working with Track Groups How to create, modify, duplicate, and delete track groups (see "Working with Track Groups" on page 33).

EuControl Basics

EuControl software lets you see which controllers are communicating, configure their layout (fader order), and customize Soft Keys and other controls. This section provides a few basic instructions about EuControl software. For information on each of the tabs and settings available in EuControl software, see the User Guide for your Artist Series controller.

To jump directly to Pro Tools basics, see "Using the Transport" on page 20.

Viewing EuControl Settings On-Screen

To view assignments on-screen:

1   Make sure EuControl is running, then launch Pro Tools.

2   Open the EuControl Settings window by doing the following:

   • On Mac, click the EUCON icon at the upper right of your screen and choose EuControl Settings.

   • On Windows, click the EUCON icon in the System tray (or select EuControl Settings from the Start menu).

3   When the EuControl Settings window appears, click the Soft Keys tab. The currently assigned Soft Keys are shown.
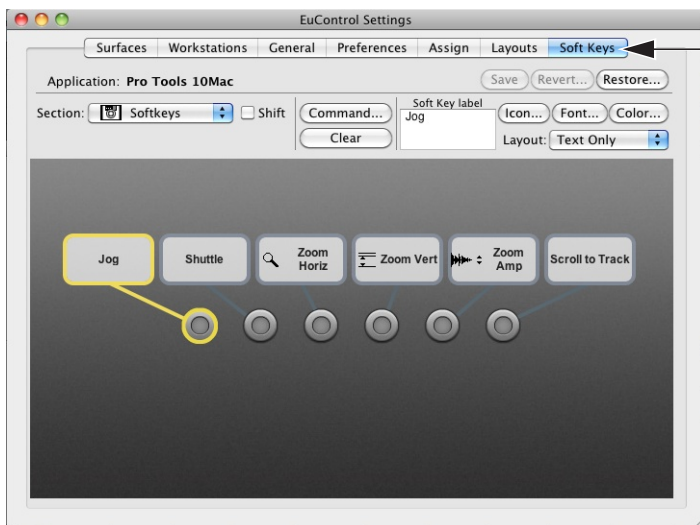
Soft Keys tab in EuControl Settings (Artist Transport shown)

⌖ *If the EuControl Settings window doesn't look the same as the picture above, check the Section menu located in the upper left of the EuControl Settings window. If necessary, click it and choose Softkeys (choose the one with the small image of Artist Transport).*

4 To show assignments 7–12, click Shift so that it is enabled.
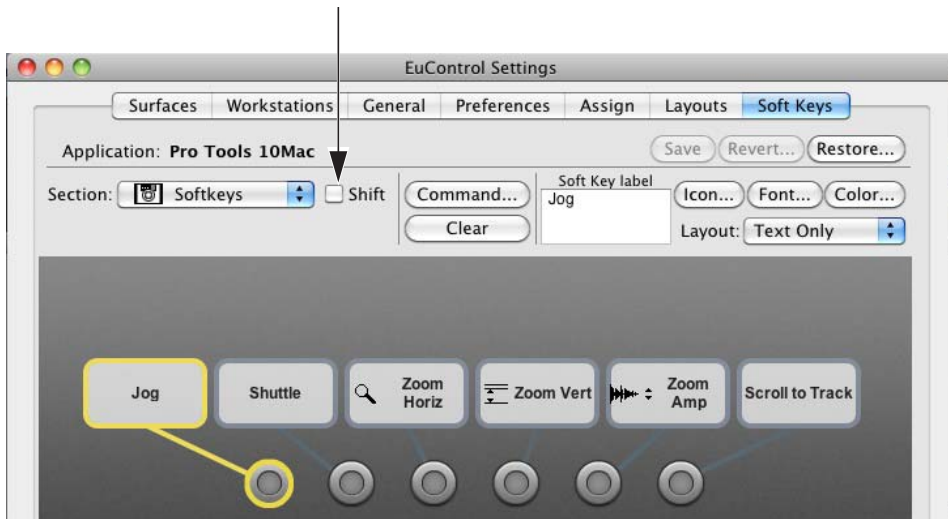
Soft Keys tab in EuControl Settings (Artist Transport)

Viewing EuControl Settings on Artist Transport

On Artist Transport, you can use the **SHOW** key to view assignments on the unit.

To view assignments on the controller display:

1 Press the **SHOW** key.

2 Press any Soft Key, Transport, or numeric key on Artist Transport and its assignment is shown in the display.

Customizing a Soft Key on Artist Transport

Here is a quick example of how to reconfigure one of the Soft Keys on Artist Transport.

☞ *For Artist Control, see "Adding a New Touchscreen Soft Key on Artist Control" on page 14.*

To reassign a Soft Key on Artist Transport for Pro Tools:

1 Launch Pro Tools.

2 Press the **SHOW** key. The EuControl Settings window opens.

3 Click the Soft Keys tab. The currently assigned Soft Keys are shown.

Soft Keys tab in EuControl Settings (Artist Transport shown)

💡 *If the EuControl Settings window doesn't look the same as the picture above, check the Section menu located in the upper left of the EuControl Settings window. If necessary, click it and choose* Softkeys.

4 Select the key you want to customize by clicking it on-screen, or pressing it on the controller. If you want to reassign a key on the second page (**SHIFT** layer), click Shift so that it is enabled.

5 Click the Command button. The Soft Key Command Editor window opens showing the current assignment in the Details area. In this example, we selected Soft Key 6 (Scroll to Track in the default Application Set).

💡 *You can also double-click a Soft Key to go immediately to the Command Editor.*
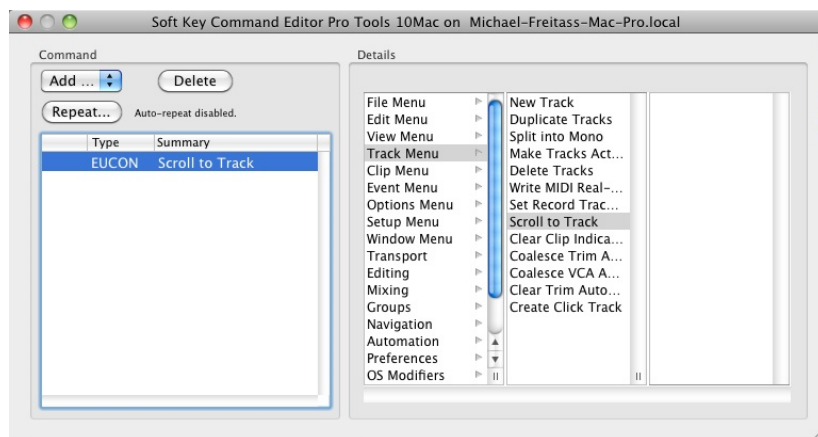
Soft Key Command Editor

6 To reassign the currently selected key, click a different command. For example, click Clear Clip Indicators in the second (middle) list in the Details area. You can also click to make a new selection in the leftmost Details list (such as File Menu, Edit Menu, and so on) to access other choices.
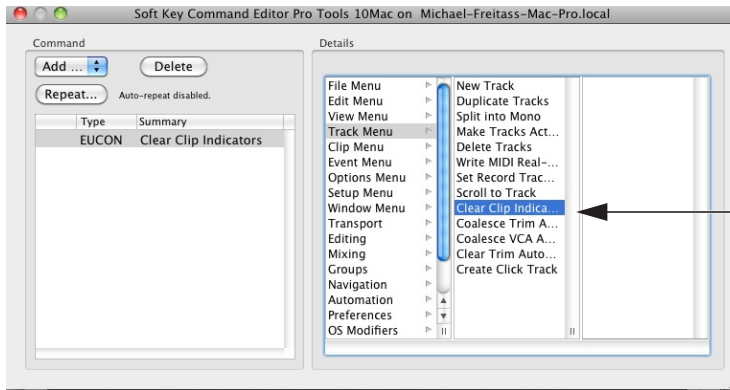
A new assignment shown in the Command Editor

Your assignment is now made. EuControl software retains your assignments until you Quit (Mac) or Exit (Windows) the EuControl application.

You can also save, revert, or restore assignments.

To save EuControl assignments:

■ Click the Save button in the Soft Keys tab.

To revert (undo) all assignments since the last time you saved changes:

■ Click the Revert button in the Soft Keys tab.

To restore assignments to their factory defaults:

■ Click the Restore button in the Soft Keys tab.

Adding a New Touchscreen Soft Key on Artist Control

Artist Control provides a Touchscreen as well as 12 Soft Keys.

The Touchscreen provides multiple *pages*, each with 24 Soft Keys in the Touchscreen.
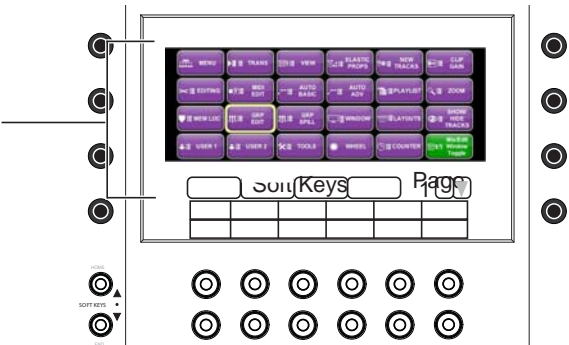
Touchscreen

The 12 Soft Keys below the Touchscreen provide multiple pages of additional commands that follow the Touchscreen. Commands in the Soft Keys can be executed by pressing their hardware keys located directly below the Touchscreen, or from their Soft Key labels shown at the bottom of the Touchscreen.
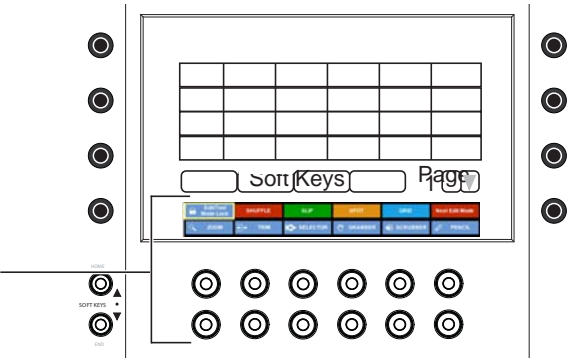
Soft Keys

The following example shows how to reassign a Touchscreen button for Bounce to Disk.

💡 *A Touchscreen Soft Key for Bounce to Disk is already available in the default, factory assignments. This section uses Bounce to Disk as an example in case you want to reassign a key, or assign it to a previously unused Soft Key.*

To reassign a Touchscreen key on Artist Control:

1 Make sure EuControl is running, then launch Pro Tools.

2 Open the EuControl Settings window by doing the following:

• On Mac, click the EuControl icon at the upper right of your screen and choose EuControl Settings.

– or –

• On Windows, click the EuControl icon in the System tray (or select EuControl Settings from the Start menu).

3 Click the Soft Keys tab. The currently assigned Soft Keys for page 1 (HOME) are shown.

Soft Keys tab showing Touchscreen Page 1 for Artist Control in EuControl Settings

🔆 *If the EuControl Settings window doesn't look like the picture above, check the Section menu in the upper left of the EuControl Settings window. If necessary, click it and choose Touchscreen. To reassign one of the 12 Soft Keys, choose Surface (choose the one with the image of Artist Control).*

4 Click the Page selector and choose any page other than Page 1 (because Page 1 is the HOME page and provides "jump to" assignments that should not be altered).

5 Do either of the following:

• If you are reassigning a previously assigned key, double-click the Soft Key you want to reassign. The Soft Key Command Editor appears, showing the current assignment.

– or –

• If you are assigning a key, click Add in the Command menu and choose EUCON.
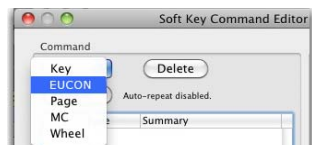
Adding a EUCON command in the Soft Key Command Editor

After you add a EUCON command, choices appear in the Details area.
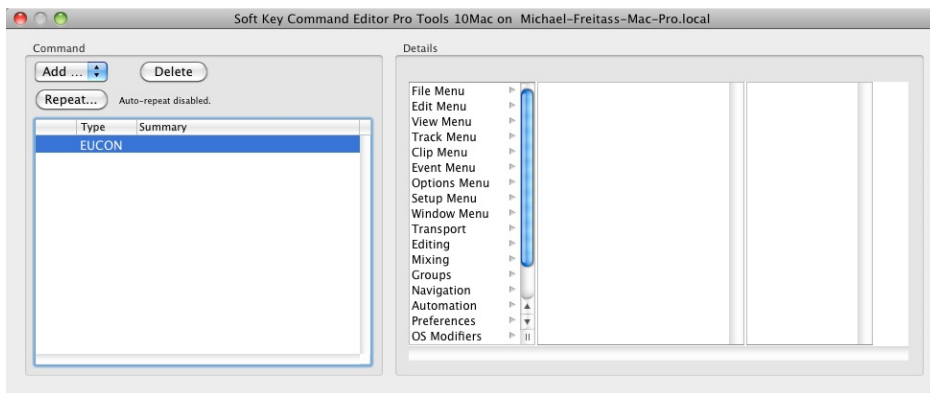
The Details area showing commands

6 Click File Menu in the left-most list (level 1) within the Details area. The middle area of the Details area now shows all File Menu commands.
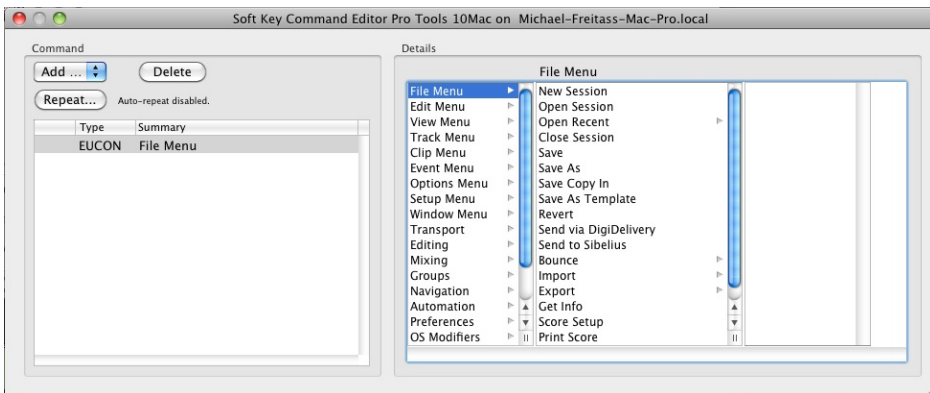
An item selected in Level 1 (the first column) of the Details area

7 In the Details area, do the following:

- *Click to select* Bounce *in the middle (level 2)* Details *list. Selecting* Bounce *reveals choices for* Bounce to Disk *and* Bounce to QuickTime Movie *in the third (right-most)* Details *list.*

– and –

- Click Bounce to Disk in the right-most list (level 3). The Command List updates to show the new assignment.
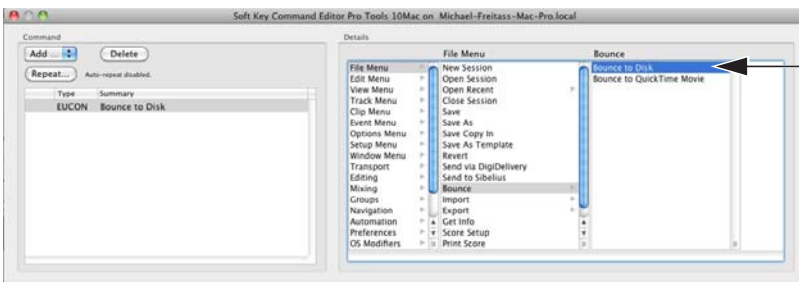
Selecting Bounce to Disk command

8 Close the Soft Key Command Editor and return to the EuControl Settings window.

On Artist Control, your new assignment appears in the Touchscreen. Be sure to navigate the Touchscreen to the correct page.

Repeat the above steps for any other Soft Keys you want to assign or reassign.

EuControl software retains your assignments until you Quit (Mac) or Exit (Windows) the EuControl application.

You can also save, revert, and restore assignments.

To save EuControl assignments:

- Click the Save button in the Soft Keys tab.

To revert (undo) all assignments since the last time you saved changes:

- Click the Revert button in the Soft Keys tab.

To restore assignments to their factory defaults:

- Click the Restore button in the Soft Keys tab.

Do To All and Do To Selected

Pro Tools provides the following keyboard shortcuts to let you apply actions to all or all selected tracks.

To apply an action to all tracks:

▪ Hold Option (Mac) or Alt (Windows) while performing the action to any track.

To apply an action to all selected tracks:

1 Select one or more tracks

2 Hold Option+Shift (Mac) or Alt+Shift (Win) and perform the action to any selected track.

Do to All and Do to Selected are useful when assigning track output, assigning sends, selecting track Automation modes, muting, and soloing tracks. You can combine keyboard shortcuts with Artist Series hardware controls, or use the dedicated Soft Keys for Do to All and Do to Selected.

Soft Keys for Do To All and Do To Selected

Artist Control provides Soft Keys for both Do To All and Do To Selected in its default Application Set. Just like Pro Tools keyboard shortcuts, these commands work on many Pro Tools actions such as assigning track input or output, assigning sends, setting track automation modes, muting and soloing.

☼ *On Artist Transport, you can reassign any of its Soft Keys to provide access to these commands.*

To apply an action to all tracks using Artist Control:

1 Press the Soft Key Do To All (by default, this is in the upper row of the first set of Soft Keys directly below the Touchscreen). You can also press the Soft Key name at the bottom of the Touchscreen. The Touchscreen key lights when enabled.
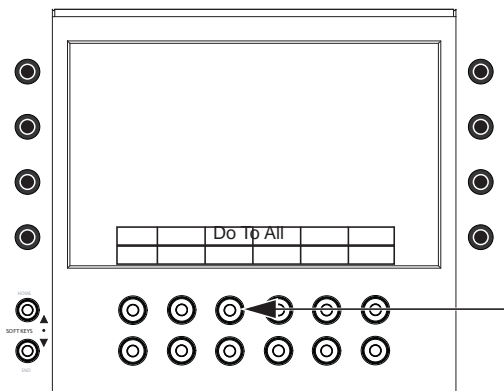
Default Soft Key for Do To All

2 Perform the action you want to apply to all track. For example, to mute all tracks, press any lit track **ON** key.

Do To All is not latching; it disables itself after any action. To latch this function so that it remains enabled, double-press the Soft Key quickly.

⚠ *Be careful when putting Do to All or Do To Selected in latching mode to avoid unintended changes from subsequent actions to all tracks or all selected tracks.*

To apply an action to all selected tracks using Artist Control:

1 Select two or more tracks. For instructions, see "Selecting Tracks" on page 26.

2 Press the Soft Key for Do To Sel. You can press the Soft Key switch, or press its name (label) shown along the bottom of the Touchscreen. Regardless of which method you use, the Touchscreen label lights when enabled.
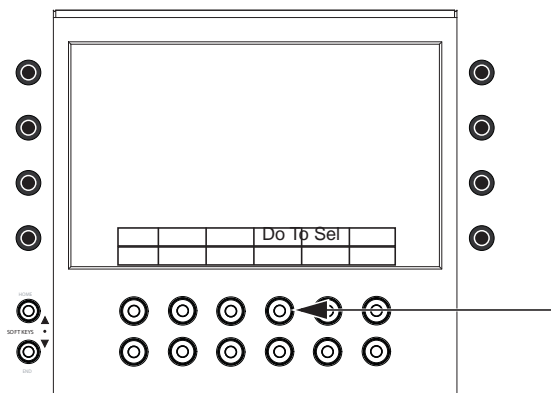
Default Soft Key for Do To Sel (Selected)

3 Perform the action you want to apply to all track. For example, to solo all currently selected tracks, press any track **SOLO** key.

Do To Sel is not latching; it disables itself after any action. To latch this function so that it remains enabled, double-press the Soft Key quickly.

⚠ *Be careful when putting Do to All or Do To Selected in latching mode to avoid unintended changes from subsequent actions to all tracks or all selected tracks.*

Using the Transport

Artist Control, Artist Transport, and Artist Mix provide standard Pro Tools functions such as Play, Stop, Rewind, Fast-Forward, Record, and others as available on each unit.

Transport Controls

The following figures identify the default controls on each unit.

Artist Transport

On Artist Transport, Transport controls are arranged above the Jog wheel and Shuttle ring.
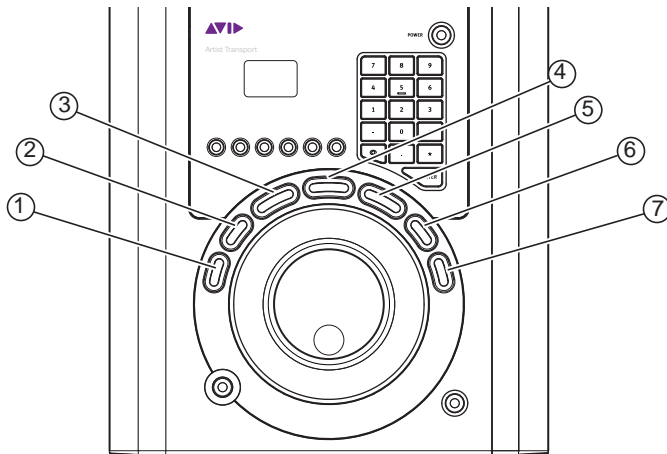
Transport controls on Artist Transport

1 RTZ (Return to Zero) Returns the play cursor to the beginning of the session.

2 Rewind Moves the play cursor earlier.

3 Fast Forward Moves the play cursor later.

4 Stop Stops playback.

5 Play Starts playback.

6 Record Toggles the Pro Tools Transport (master) record state on (armed) or off.

7 Loop Toggles Loop Playback on and off.

Artist Control

On Artist Control, Transport controls are located above the Jog wheel.
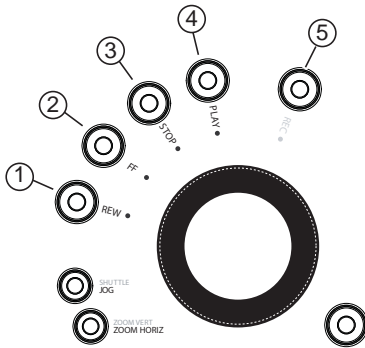
Transport controls on Artist Control

1 Rewind Moves the play cursor earlier.

2 Fast Forward Moves the play cursor later.

3 Stop Stops playback.

4 Play Starts playback.

5 Record Toggles the Pro Tools Transport (master) record state on (armed) or off.

Artist Mix

On Artist Mix, Transport controls are provided in the **SHIFT** layer of the **SOLO** and **ON** switches in channel strips 5–8. For example, to start playback hold **SHIFT** then press the **SOLO** switch in strip 8.

Transport controls on Artist Mix (channel strips 5–8)

1 RTZ (Return to Zero) Returns the play cursor to the beginning of the session (Artist Transport only).

2 PREV (Previous) In some applications, takes you to the previous marker.

3 NEXT In some applications, takes you to the next marker.

4 Rewind Moves the play cursor earlier.

5 Fast Forward Moves the play cursor later.

6 Stop Stops playback.

7 Play Starts playback.

8 Record Toggles the Pro Tools Transport (master) record state on (armed) or off.

Using the Transport Controls

Playback

To play from the current location:

■ Press **PLAY**.

To stop playback:

■ Press **STOP**.

Session Time Navigation

To rewind or fast-forward:

■ Press **REW** or **FFW**.

To jump to the beginning of the session (Artist Transport only):

■ Press **RTZ** (return to zero).

Pro Tools provides preference settings for rewind and fast forward (such as Audio During Fast Forward/Rewind, and Back/Forward Amount). For more information, see the Pro Tools Reference Guide.

Transport Controls and Modifier Keys

You can use modifier keys on your computer keyboard in combination with EUCON hardware Transport controls for additional playback modes.

To toggle Loop Playback on/off:

Press Control+**PLAY** (Mac), or Ctrl+**PLAY** (Windows).

To enable Prime for Playback mode:

■ Press Option+**PLAY** (Mac), or Alt+**PLAY** (Windows).

Recording

To record arm the Pro Tools Transport:

▪ Press **Record**.

🕯️ *For additional recording features, see Chapter 4, "Recording."*

Banking Faders

To navigate to and display other tracks across the faders, use the **BANK** and **NUDGE** keys. On Artist Control, these keys are in the Navigation section above the Transport controls.
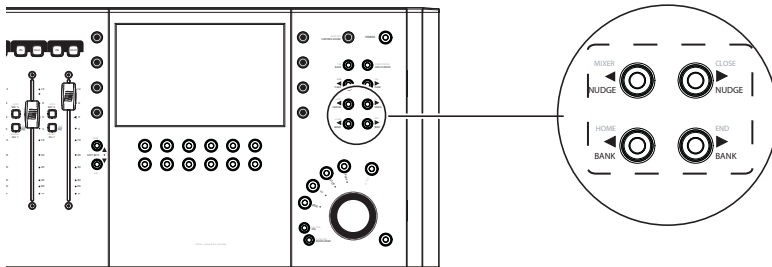
BANK and NUDGE controls on Artist Control

On Artist Mix, Bank and Nudge are to the right of the encoder row.
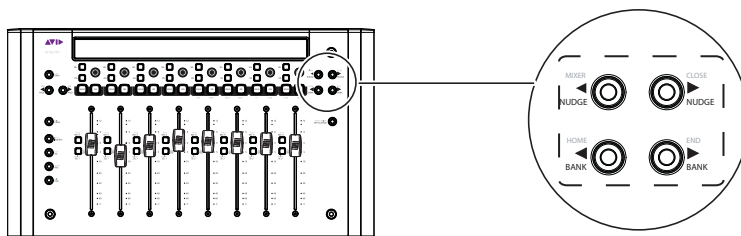
BANK and NUDGE controls on Artist Mix

To bank the faders to other tracks:

1 Press **BANK>**. On Artist Control, this brings the next four tracks to the faders; on Artist Mix, the next eight. In Pro Tools, "next" means to the right in the Mix window, and below in the Edit window.

2 Press **<BANK** to move to previous tracks (to the left in the Mix window, and above in the Edit window).

3 Press **NUDGE>** to move one track at a time. For example, if tracks 1–8 were previously assigned to the faders on Artist Mix, pressing **NUDGE>** will bring tracks 2–9 to the faders.

4 Press **<NUDGE** to move back one track at a time.

If you nudge or bank beyond the first and last tracks, the display above unused track will be blank.

HOME and Track Banking

To reset faders to the default bank on Artist Control or Artist Mix:

■ Press and hold the **SHIFT** key, and press **<BANK (Home)**.

Fader Strip Controls

Fader strips on Artist Control and Artist Mix let you adjust track volume, pan, solo, and mute.

Flip mode lets you control pan, plug-ins and sends from the fader strips. See "Flipping Encoder Parameters to Faders on Artist Mix (Only)" on page 26.

Adjusting Track Volume and Pan

This section shows how to adjust track volume and pan with Artist Control or Artist Mix. On Artist Control, pan channel parameters are available through the Soft Encoders and Touchscreen. On Artist Mix, each channel strip provides one dual-function (rotate/push) encoder and two keys in the encoder row (**ON** and **SEL**).

To adjust track volume:

■ Adjust the fader for that track.

Faders follow track volume automation, if any. You can turn faders off so they do not follow automation (or turn them back on if they have been turned off). See "Turning Faders Off" on page 77.

To reset track volume to 0/unity:

■ Hold **SHIFT** and touch that fader. (You can disable this in EuControl, in the Preferences tab.)

To adjust track pan:

1 If unlit, press the **PAN** key so that it stays lit.
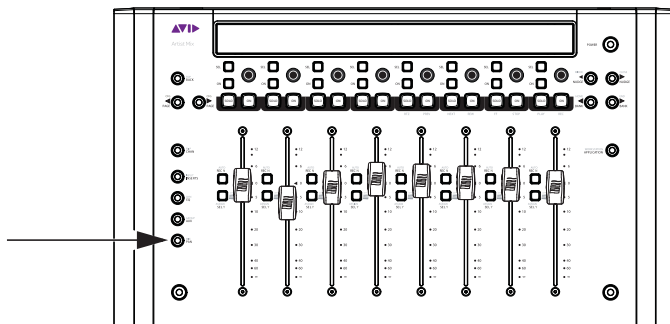
2 Rotate the encoder below the name of the track you want to pan. Stereo tracks default to Left pan.

3 To adjust right side pan on stereo tracks, press the lit **PAGE>** key and rotate the encoder for the desired track. The display shows R Pan above stereo tracks and the **<PAGE** key lights.

💡 *Artist Control provides two dedicated Soft Encoders for left and right pan.*

4 To return to left side pan, press the lit **<PAGE** key.
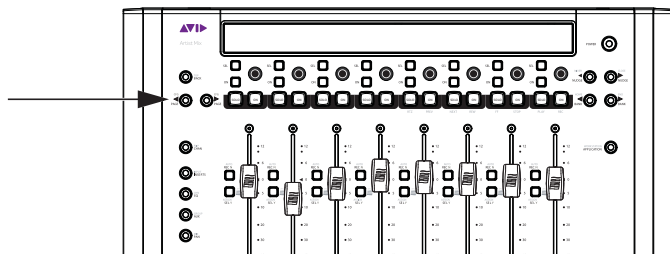
To reset pan to 0 (center):

1 If unlit, press the **PAN** key so that it stays lit.

2 Press the encoder below the name of the track you want to reset to center.

💡 *Option (Mac) or Alt (Windows) can also be used to reset Pro Tools controls. For example, holding Option (Mac) or Alt (Windows) and touching a fader resets the fader to 0/unity.*

Multichannel Panning

When mixing in surround, encoders control pan parameters such as divergence, center percentage, and others. For more information, see "Multichannel Panning for Surround" on page 76.

Flipping Encoder Parameters to Faders on Artist Mix (Only)

Artist Mix lets you "flip" pan, plug-in, and send parameters to control them from the faders. Flipping plug-ins to the faders lets you control eight parameters simultaneously (or more, if your system includes more than one Artist Mix). The following example shows how to flip plug-in parameters to faders. Flip also works with pan and sends.

To flip plug-in controls to faders using Artist Mix:

1 Select a track that already has a plug-in inserted.

2 Press the **INSERT** key.

3 Push the encoder for the desired plug-in.

4 On Artist Mix, press the **FLIP** key (hold the **SHIFT** key and press **CHAN/FLIP**). Plug-in parameters are now at the faders.

5 Press the **PAGE>** key (if lit) to go to additional parameters. Press **<PAGE** to return to previous pages.

6 Press **FLIP** again to flip back to encoders.

7 Press the **BACK** key to close the plug-in.

Track Basics

This section shows how to select, route, show/hide, and group tracks.

💡 *You can also add new tracks to your sessions using default Soft Keys on Artist Control (a New Tracks key is provided in the default HOME page (page 1), or by reassigning Soft Keys on Artist Transport.*

Selecting Tracks

You can select tracks using the fader strip **SEL** keys on Artist Mix and Artist Control.

To select a track on Artist Mix or Artist Control:

■ Press any fader **SEL** key.

The track is selected in Pro Tools. You can use standard Pro Tools shortcuts in combination with the fader **SEL** keys to do the following.

To select all tracks:

■ Hold Option (Mac) or Alt (Windows) on your computer keyboard and press any unlit track **SEL** key.

To deselect a track:

■ Hold Command (Mac) or Start (Windows) on your computer keyboard and press a lit track **SEL** key.

To deselect all selected tracks:

- Hold Option key (Mac) or Alt (Windows) on your computer keyboard and press any lit track **SEL** key.

To select a range of tracks:

1 Press the **SEL** key on the first track (usually, the left-most track you want to include in the selection).

2 Hold the Shift key on your computer keyboard and press the **SEL** key on the last (right-most) track. All tracks between the two are selected.

To select non-adjacent tracks (add to a selection):

1 Press the **SEL** key to select any track.

2 Hold Command (Mac) or Start (Windows) on your computer keyboard and press an unlit track **SEL** key.

Track Input and Output Routing

Routing Track Input and Output on Artist Control

These examples show how to assign track input and output from the Soft Keys and Touchscreen sections on Artist Control.

To assign track input on Artist Control:

1 Select a channel by pressing its **SEL** key.

2 Press the **Input** Encoder.
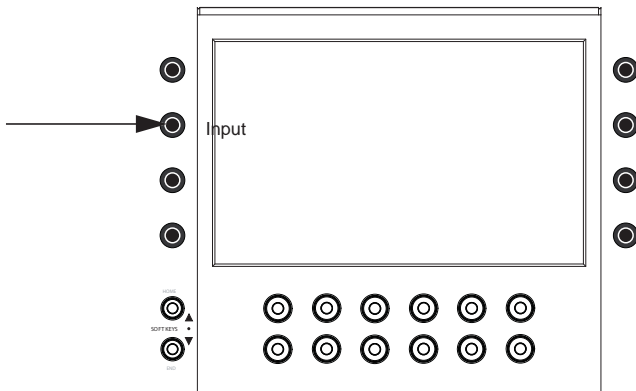
The Touchscreen shows the input assignment for the currently selected next to Encoder 8.
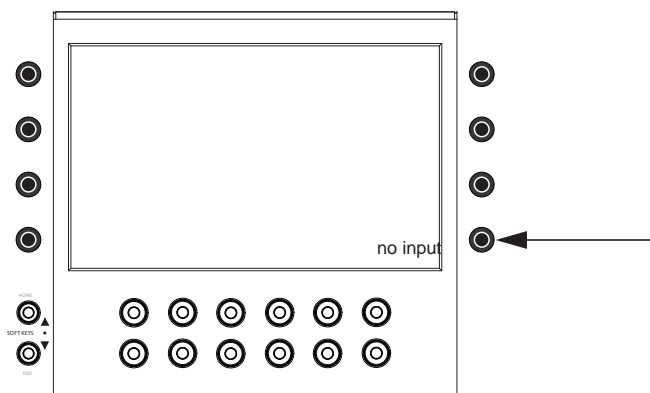
Soft Encoder for current input assignment.

3 Press Encoder 8 (the one showing no input, or the current input assignment, if any).

4 The first three Soft Encoders now display **no input**, **interface**, and **bus**.

5 Press Soft Encoder 1, 2, or 3 to select the following as desired:

no input (encoder 1) Assign no input source to the track.

interface (encoder 2) Displays available hardware input choices on the Soft Encoders.

bus (encoder 3) Displays available internal bus choices on the Soft Encoders.

Artist Control shows up to eight available hardware input or bus choices at a time (one in each Soft Encoder). You can navigate to additional hardware or bus choices by pressing **<PAGE** or **PAGE>**.

6 When the desired input source is displayed, press its Encoder.

7 To exit Input Assign mode, press **BACK** (each press returns you up one level), or press **SHIFT** + **BACK/TOP** to exit and return to the top Soft Keys level.

To assign track output on Artist Control:

1 Select a channel by pressing its **SEL** key.

2 In the Soft Encoders, press the **Mix** Encoder. If it is not shown, press **BACK** until is appears.
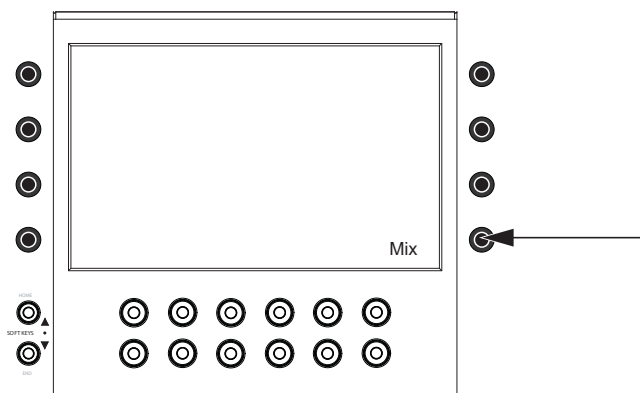
Soft Encoder for Mix

The Touchscreen shows the output assignment for the currently selected track next to Encoder 1.

3 Press Encoder 1 (the one showing the current assignment, if any). The first three Soft Encoders now display the next level of choices for output assignment.

4 Press Soft Encoder 1, 2, or 3 to select the following as desired:

no output (encoder 1) Assigns no output to the track (the track will be silent).

interface (encoder 2) Displays Output bus choices (such as Out 1–2) in the Soft Encoders.

bus (encoder 3) Displays internal bus choices in the Soft Encoders.

5 To see additional choices, press the lit **<PAGE** or **PAGE>** key.

6 When the desired output choice is displayed, press its Encoder. A green LED lights next to the Soft Encoder, indicating assignment on the currently selected track(s).

7 To exit Output Assign mode, press **BACK** (each press returns you up one level), or press **SHIFT+BACK/TOP** to jump back to the top view.

Multiple Output Path Assignments

Pro Tools tracks can have multiple output paths assigned to them. When assigning track output from a EUCON unit, you can simply repeat the previous instructions and the new assignment will be *added* to the current assignments. When reassigning outputs, you must first assign no output, then assign the new output path.

To reassign track output without adding additional output assignments on Artist Control:

1 Select a channel by pressing its **SEL** key.

2 In the Encoders, press the **Mix** encoder. The Touchscreen shows the output assignment for the currently selected track.

3 Press Encoder 1 (the one showing the current assignment, if any). The first three Encoders now display the next level of choices for output assignment.

4 Press Soft Encoder 1 to select no output.

5 Press **BACK** (each press returns you up one level), or press **SHIFT+BACK/TOP** to jump back to the top view.

6 Repeat these steps and choose a new output path.

Routing Track Input and Output on Artist Mix

These examples show how to route track input and output from Artist Mix.

To assign track input on Artist Mix:

1 Select a channel by pressing its **SEL** key.

2 Press **SHIFT+INSERTS/INPUT**. The display shows input assignments for banked tracks.

3 Press the Encoder for the track you want to assign. The first three Soft Encoders show the next choices for input assignment.

4 Press the Soft Encoder below the desired input choice:

Display	no input	interface	bus
Soft Encoder	1	2	3

- If you select no input, that encoder **ON** key lights.
- If you select interface or bus, available hardware inputs or internal buses are listed above the Soft Encoders. Press the **<PAGE** and/or **PAGE>** keys to navigate to other input choices.

5 When the desired input source is displayed, press its Soft Encoder. The encoder **ON** key lights.

6 To exit output assign mode, press **PAN**.

To assign track output on Artist Mix:

1 Select a channel by pressing its **SEL** key.

2 Press **SHIFT+PAN/MIX**. The display shows the output assignment for each banked track.

3 Press the encoder for the track you want to assign.

4 Press the encoder below the desired output assignment as follows:

Display	no output	output	bus
Soft Encoder	1	2	3

- If you select no output, the assignment is made and that encoder **ON** key lights.
- If you select output or bus, Output bus and internal bus choices are listed above each Soft Encoder. Press the **< PAGE** and/or **PAGE>** keys to navigate to other output choices.

5 When the desired output is displayed, press its Soft Encoder. That encoder **ON** key lights.

6 To exit output assign mode, press any other Knob Set selector (such as **PAN**).

Multiple Output Path Assignments

Pro Tools tracks can have multiple output paths assigned to them. When assigning track output from a EU-CON unit, repeat the previous instructions and the new assignment will be *added* to the current assignments. When reassigning, you must first assign no output, then assign a new output path.

To reassign track output on Artist Mix:

1 Select a channel by pressing its **SEL** key.

2 Press **SHIFT+PAN/MIX**. The display shows the output assignment for each banked track.

3 Press the encoder for the track you want to assign.

4 Press the encoder for no output (encoder 1). The assignment is made and that encoder **ON** key lights.

5 To exit output assign mode, press any other Knob Set selector (such as **PAN**).

6 Repeat these steps and assign the new output path.

Accessing Instrument Track Controls

Artist Control

To access and adjust Instrument track controls (such as MIDI Input and Output) from Artist Control:

1 Select a track.

2 Make sure no other mode is currently selected for the Touchscreen (press **SHIFT+BACK/TOP** to jump back to the top level).

3 Press **PAGE>** to display the next page of modes.

4 Press the encoder for Instrument. The encoders now let you assign MIDI Input, MIDI Output, and adjust MIDI Pan and MIDI Volume on the selected Instrument track. For example, to assign MIDI Input press the encoder displaying All (the encoders show available MIDI Input choices), then select an available MIDI Input by pressing its encoder. Similarly, to adjust MIDI Pan rotate the Pan encoder.

Artist Mix

To access and adjust Instrument track controls (such as MIDI Input and Output) from Artist Mix:

1 Select an Instrument track.

2 Press and hold the **INSERTS** switch until the other Mode switches briefly flash, then release the **INSERTS** switch. The Track display now shows the current assignment for MIDI Input (or MIDI Output, or MIDI Pan, or MIDI Volume, depending on which control was most recently adjusted). Press **<PAGE** or **PAGE>** to page to the other controls. To "spill" all four controls across the track displays, press **CHAN**.

3 Press the encoder below the desired choice for MIDI Input or Output, or rotate the encoder for MIDI Pan or MIDI Volume.

4 Press any other Mode switch to exit.

Showing and Hiding Tracks

Artist Control lets you show and hide tracks using the Touchscreen.

💡 *On Artist Transport, you can reassign one of the 12 Soft Keys for Show/Hide track commands.*

To Show or Hide tracks:

1 Select one or more tracks by pressing the track **SEL** keys (see "Selecting Tracks" on page 26 for instructions on selecting multiple tracks).

2 In the Touchscreen, go to Page 1 (the Home page) and press SHOW/HIDE TRACKS. The Touchscreen displays a page of controls specific to showing and hiding tracks.

3 Do any of the following:
- To hide all selected tracks, press Hide Selected Tracks.
- To show (restore) all selected tracks, press Show Selected Tracks.
- To hide all tracks in the session, press Hide All Tracks.
- To show (restore) all tracks in the session, press Show All Tracks.

The Touchscreen Show/Hide page provides many other useful actions for showing and hiding specific types of tracks (such as Show Audio Tracks and Show Aux Tracks), as well as commands for inactive tracks (such as Show Inactive Tracks and Hide and Make Inactive.

Scroll to Track

Scroll to Track is a fast way to bring a specific track on-screen (this is useful in large sessions with many tracks).

To use Scroll to Track:

1 In the Touchscreen go to Page 1 (the Home page) and press SHOW/HIDE TRACKS.

2 Press Scroll to Track. The Touchscreen displays the Scroll to Track panel, with keys replicating the numeric keypad. (On-screen, the Scroll to Track dialog is displayed).

3 Use the Touchscreen keys to enter a track number.

4 Press OK.

The Mix and Edit windows scroll so that the desired track is displayed on-screen.

Working with Track Groups

This section shows how you can work with Pro Tools track Groups using an Artist Control or Artist Mix.

Working with Track Groups on Artist Control

To create a new Group:

1 Select the tracks you want to include in the new Group by doing the following:

   • Press and hold **SEL** on the first track you want in the Group.

   • Press **SEL** on the other tracks you want to select (while still holding **SEL** on the first track).

2 In the Touchscreen, press SOFT KEYS to show the Soft Keys.

3 If Page 1 (HOME) is not already displayed, navigate to Page 1 of the Touchscreen by doing either of the following:

   • *On the current page, press the Soft Key labelled* HOME *(if available) or* BACK *and then* HOME.

   • *Use the Page* Up *(arrow) Soft Key until Page 1 is displayed.*

4 On Page 1, press the Soft Key GRP EDIT.

Touchscreen HOME page

The Touchscreen shows Soft Keys specific to working with Groups.

5 To create a group of the currently selected tracks, do any of the following:

- To create a Mix/Edit Group, press the key MIX/EDIT GROUP.
- To create an Edit Group, press EDIT GROUP.
- To create a Mix Group, press MIX GROUP.

On-screen, the Pro Tools Create Group dialog appears.

6 Configure the Create Group dialog as desired. For more information on Tracks, Attributes, Globals, and other Group settings, see the *Pro Tools Reference Guide*.

7 To confirm the new group, click OK on-screen, or press Enter on your computer keyboard.

To add or remove tracks from a Group:

1 Select a channel by pressing its **SEL** key.

2 Press the **GROUP** encoder to enter Group mode.
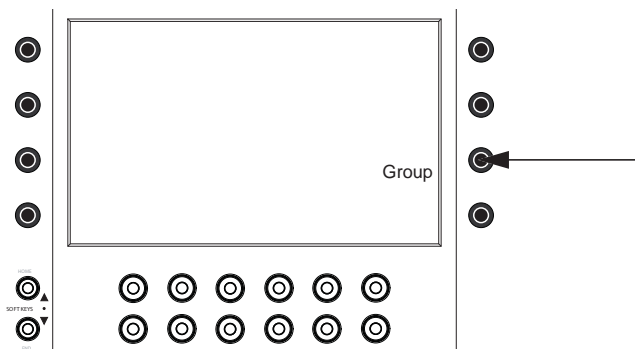
Soft Encoder for Group

Existing Group names are listed in the Soft Encoders, starting with the <All> Group in encoder 1. Green LEDs next to Soft Encoders indicate Group membership for the currently selected track.

3 Press the Soft Encoder for a Group to add the current track to it (the green LED is lit), or remove the track from the group (no green LED).

To enable or suspend a Group using the Soft Encoders:

1 Press the **GROUP** encoder to enter Group mode. Group names fill as many Soft Encoders as necessary. Green LEDs in the Touchscreen encoders indicate group membership for the currently selected track.
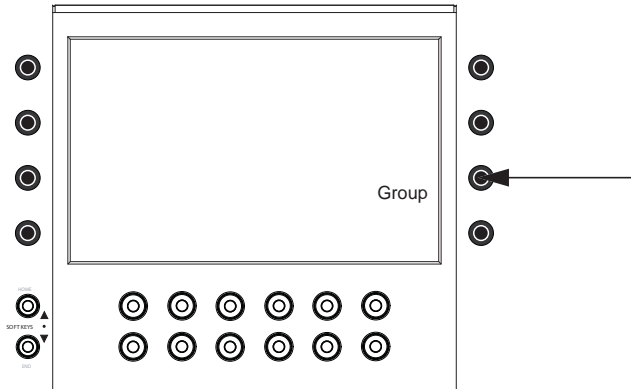
Soft Encoder for Group

2 Hold **SHIFT** and press the Touchscreen encoder for a group to toggle it between enabled and suspended.

To enable or suspend a Group using the Touchscreen:

1 Navigate to Page 1 of the Touchscreen Soft Keys. This example assumes you are using the default Soft Key assignments; if you have customized your Soft Keys the exact page or other steps may differ.

2 In the Touchscreen, press GRP EDIT. The Touchscreen displays Soft Keys for each Group across the top row (such as !:<ALL>, a:Group1, b:Group2, and so on). These appear on the Touchscreen regardless of how many Groups you have created in the current session). To navigate to other Groups, press the appropriate key in the bottom row (such as ALL–11, or 12–23).

3 Press the Touchscreen key for any Group to toggle it between enabled and suspended. When enabled, the Soft Key for that Group is lit; when suspended, the Soft Key is dark. For example, to toggle Group 1 on/off, press the Soft Key a:GROUP1.

To rename or edit a Group:

1 On Page 1 of the Touchscreen, press GRP EDIT. The Touchscreen displays a page of Soft Keys specific to working with Groups.

2 In this page of the Touchscreen, do each of the following:
  • Press MODIFY GROUP. The button flashes.

- In the top two rows of the Touchscreen, press the button for the Group you want to modify (such as c:Group 3). If you have renamed a Group, its name is displayed along with its letter designation (such as 3: DRUMS). To navigate to other Groups, press the appropriate button in the bottom row (such as ALL–11, or 12–23).

3 On-screen, the Modify Groups dialog appears. Use the mouse to configure the settings for Tracks, Attributes, and Globals as desired.

4 To confirm your changes, do one of the following:

5 On Artist Control, press the Soft Key OK key (or press Enter on your computer keyboard). To close the dialog without changing Group settings, press the Cancel Soft Key (or click Cancel on-screen).

To duplicate or delete a Group:

1 On Page 1 of the Touchscreen, press GRP EDIT. The Touchscreen shows displays a page of Soft Keys specific to working with Groups.

2 Do either of the following:
- If you want to duplicate a Group, press DUPLICATE GROUP (the button flashes).
- If you want to delete a Group, press DELETE GROUP (the button flashes).

3 In the top two rows of the Touchscreen, press the button for the Group you want to duplicate or delete (such as c:Group 3). If you have renamed a Group, its name is displayed along with its letter designation (such as 3: DRUMS). To navigate to other Groups, press the appropriate button in the bottom row (such as ALL–11, or 12–23).

4 Do either of the following, as appropriate:
- If you are duplicating a Group, the Create Group dialog appears on-screen. Configure the settings for the new Group as desired, then press the OK Soft Key to confirm (or press the Enter key on your computer keyboard, or click OK on-screen). To cancel, press the Cancel Soft Key (or click Cancel on-screen).
- If you are deleting a Group, a confirmation dialog appears on-screen (deleting a Group cannot be undone). To confirm, press the OK Soft Key (or press Enter on your computer keyboard). To cancel, click the Cancel Soft Key (or click Cancel on-screen).

Group Spill

Group Spill lets you quickly bring all tracks in a particular group to the faders.

💡 *Before using Group Spill, it is recommended that you create a Pro Tools Memory Location (Marker) and configure it to store and recall Track Show/Hide status, so you can quickly return to the previous view (unspill). You can create and recall Memory Locations from Artist Control (see "Using Markers (Memory Locations)" on page 48). To learn how to configure the Pro Tools Memory Locations window, see the Pro Tools Reference Guide.*

To spill a group:

1 On Page 1 (HOME) of the Touchscreen, press GRP SPILL.

2 Press SHOW TRACKS IN GROUP (the Soft Key lights to indicate it is active), then press the button for any group shown in the top rows (such as a:Group1). All other tracks in the session are hidden and the members of the selected group appear on the faders.

To return to showing all tracks from the GRP SPILL page:

■ Press SHOW TRACKS IN GROUP, then press !:<ALL>.

💡 *You can also press SHOW/HIDE TRACKS for more flexibility as to which tracks you want to show and hide. For a few examples of how to use these commands, see "Showing and Hiding Tracks" on page 32.*

Other Soft Keys in the GRP SPILL page let you hide or select tracks by group, or suspend all groups.

💡 *On Pro Tools HD you can assign groups to VCAs and then view group members through the VCA track. For more information, see "Viewing Groups in VCA Masters" on page 73.*

Working with Track Groups on Artist Mix

To enable or suspend a track Group using Artist Mix:

1 Press **SHIFT+AUX/GROUP**. The display shows <All> in every fader display (or, the letter designation of the last edited group).

2 Press the lit **PAGE>** keys to show other available Groups across the display. As you navigate to other Groups, the encoder **SEL** keys (in the encoder row) light to indicate an active (enabled) Group. In addition, track **ON** keys light to indicate track membership in the currently displayed Group.

3 To enable a Group, press any unlit (encoder) **SEL** key so that it stays lit.

4 To suspend a Group, press any lit (encoder) **SEL** key.

To add or remove tracks from a Group using Artist Mix:

1 Press **SHIFT+AUX/GROUP**. The display shows <All> above each encoder (or the letter designation of the last edited group). All tracks are members of the <All> group by default.

2 Press the lit **PAGE>** keys to show other available Groups across the display. As you navigate to other Groups, track **ON** keys light to indicate track membership in the currently displayed Group.

3 To add a track to the currently displayed Group, press the encoder in the desired track (below the displayed Group name). The track **ON** key lights green showing that track is now a member of the Group.

4 To remove a track from a Group, press the encoder again so that the **ON** key in that track is unlit.

On Pro Tools HD you can assign groups to VCAs and then view group members through the VCA track on Artist Mix. For more information, see "Viewing Groups in VCA Masters" on page 73.

Chapter 4: Recording

This chapter explains how you can perform many Pro Tools recording tasks from Artist Series units.

Select and Record Enable Tracks

This section explains how to use track and deck record enable commands.

To record enable a track:

■ Press the track **REC** key.

To record enable additional tracks:

■ Hold the Shift key on your computer keyboard and press additional track **REC** keys.

You can set Pro Tools Preferences for latching record enable, so you don't have to hold the Shift key to record enable additional tracks. For more information, see the Pro Tools Reference Guide.

To record enable all tracks or all selected tracks on Artist Control:

1 Press the Soft Key Do To All or Do to Sel (in the Touchscreen, the key lights).

2 Press any track **REC** key.

To record enable all tracks or all selected on Artist Mix:

■ Hold Option (Mac) or Alt (Windows) on your computer keyboard (to do to all) or Option+Shift (Mac) or Alt+Shift (Windows), then press a track **REC** key.

To arm the Pro Tools Transport (deck) from Artist Control:

■ Press the **Record** key in the Transport section. Or from the Touchscreen HOME page (Page 1), press TRANS > RECORD, then press Master Record.

To arm the Pro Tools Transport (deck) from Artist Transport:

■ Press the **Record** key in the Transport section.

Loop Record, Quick Punch, and Other Record Modes

Artist Transport and Artist Control can access all available Pro Tools recording modes. You can use keyboard modifiers in combination with the Transport buttons, or use Soft Keys.

Commands are also available in EuControl software to let you cycle through available modes. Some of the features are only available on Pro Tools HD.

To cycle to the next alternate Record modes using the Transport REC key on Artist Transport and Artist Control:

■ Hold Control (Mac) or Ctrl (Windows) on your computer keyboard and press the **REC** key (for example, on Artist Control, press the **REC** key in the Transport section). On-screen, the Pro Tools Transport master Record switch shows the current mode (P indicates QuickPunch, a Loop arrow appears when in Loop Record mode, and so on).

To cycle to the next available alternate Record modes using the Touchscreen on Artist Control:

1 In the Touchscreen, go to Page 1 (HOME) and press TRANS.

2 In the Touchscreen page that appears, press NEXT RECORD MODE.

Artist Control also provides dedicated Touchscreen keys for enabling special Pro Tools recording modes.

To enable a specific Record mode using the Touchscreen on Artist Control:

1 In the Touchscreen go to Page 1 and press MENU. This displays the MENU page which shows all the main Pro Tools menus.

2 In the MENU page, press OPTIONS.

3 Press the Touchscreen key for the desired Record mode (such as Destructive Record or QuickPunch).

TrackPunch
(Pro Tools HD Only)

Artist Control provides default keys for TrackPunch mode.

On Artist Transport, you can reassign one of the 12 Soft Keys for TrackPunch in EuControl.

To enable TrackPunch mode:

■ From Page 1 of the Touchscreen, press MENU > OPTIONS > TrackPunch.

To exit TrackPunch mode:

■ Press TrackPunch again.

DestructivePunch
(Pro Tools HD Only)

Artist Control provides default keys for DestructivePunch.

⌁ *On Artist Transport, you can reassign one of the 12 Soft Keys for DestructivePunch in EuControl.*

To prepare tracks for DestructivePunch:

1 From Page 1 of the Touchscreen, press MENU > OPTIONS > DestructivePunch.

2 Record enable the tracks you want to punch by pressing their track **REC** switches.

3 In the Touchscreen, press Prepare DPE Tracks.

To enable DestructivePunch mode (Pro Tools HD only):

■ From Page 1 of the Touchscreen, press MENU > OPTIONS > DestructivePunch.

To exit TrackPunch mode

■ Press DestructivePunch again.

You can access the Prepare DPE Tracks command from this same page.

Adjusting Avid PRE Controls

If you use an Avid PRE mic pre, you can control its parameters using Artist Control or Artist Mix.

To adjust PRE controls from Artist Control:

1 Make sure the PRE is correctly installed and configured for remote control from Pro Tools. (For more information, see the *PRE Guide*.)

2 Press a channel **SEL** switch to select an Audio or Auxiliary Input track.

3 Press the Input encoder in the Touchscreen. The Touchscreen now displays all 8 PRE controls in the Soft Encoders.

4 Turn the encoders to adjust each corresponding PRE control.

To adjust PRE controls from Artist Mix:

1 Make sure the PRE is correctly installed and configured for remote control from Pro Tools. (See the *PRE Guide* for more information.)

2 Press a channel **SEL** switch to select an Audio or Auxiliary Input track.

3 Press the **CHAN** switch.

4 Press **SHIFT+INPUT**. The track displays now show PRE controls.

5 Turn the encoders to adjust each corresponding PRE control.

Additional Recording Features

Artist Control give you direct access to many additional controls related to recording. Not all features are available on all systems (some require Pro Tools HD or Pro Tools with Complete Production Toolkit).

On Artist Transport, you can reassign its Soft Keys for any of the available recording commands described below.

To access additional recording commands on Artist Control:

■ From Page 1 of the Touchscreen, press the TRANS key.

The default buttons assigned on this page include Count Off, Wait for Note, Click, MIDI Merge, Next Record Mode, Pre-Roll and Post-Roll, and keys for Master Record (Transport Record) and Master Input Monitor (to be able to switch all record enabled tracks to Input Only).

Buttons along the bottom of the page take you to sub-pages with the following commands and features for recording, location, and other tasks.

PLAY (HOME > TRANS > PLAY) Provides buttons for Pause, Play/Stop, Count Off, Dynamic Transport, Half-Speed Play, and others. Press the TRANS key to return to the previous page.

RECORD (HOME > TRANS > RECORD) Provides many of the same buttons as the TRANS page, plus buttons for Half-Speed Record, Loop Record, Abort Record, Pre-Fader Metering, Record Arm Tracks with Selection, Input Monitor Tracks with Selection, and Low Latency Monitoring. Press the TRANS button to return to the previous page.

LOCATE (HOME > TRANS > LOCATE) Provides navigation and locate commands including Go to Song Start, Go to End of Session, Prev, Next, and Enable Tab to Transients. Press the TRANS button to return to the previous page.

MACH CTL (HOME > TRANS > MACH CTL) Provides Machine Control commands including Toggle Transport Master, 9-Pin Remote, Auto Ins Punch, Ins Assem (Insert Assembly), as well as keys for Video Track Online, Video Out Firewire, and Video Out PCIe. Press the TRANS button to return to the previous page.

SATELLITE (HOME > TRANS > SATELLITE) Provides selectors for each Satellite system (up to 12).

Chapter 5: Editing

This chapter explains how you can perform many Pro Tools editing tasks from Artist Control and Artist Transport. It would be impossible to describe every Pro Tools editing feature in this guide, so instead we have chosen to highlight a few of the most frequently used commands. Before proceeding, read the following overview so you can start to become familiar with how the default assignments are organized.

Overview of Editing

Artist Control and Artist Transport provide programmable Soft Keys that can be assigned to any available Pro Tools commands in EuControl software.

- Artist Control provides dozens of editing commands in its default Application Set for Pro Tools. These are provided in a series of dedicated Touchscreen and Soft Key pages that can be accessed with a few presses, and include nearly all commands found in the Pro Tools Edit and Clip menus.

- On Artist Transport, you can use EuControl software to customize the assignment of the Soft Keys and Jog/Shuttle Ring for any of the tasks described here.

To access editing features on Artist Control:

■ From Page 1 (HOME) of the Touchscreen, press EDITING. The Touchscreen shows the first page of editing commands. (Pages and buttons on your system may differ from the image shown.)

The default Application Set for Pro Tools has been designed to provide fast access to the most common functions, with additional pages available to access additional functions.

The primary Editing page includes the following commands and functions in the upper rows of its default (factory) Touchscreen assignments.

- Group and Ungroup Clips
- Loop and Unloop Clips
- Duplicate, Repeat, Consolidate Clip, Heal Separation
- Restore Last Selection
- Identify/Remove Sync Point
- Edit Lock/Unlock
- Trim Lock/Unlock
- Mute/Unmute Clip
- Zoom Toggle
- Trim Top and Trim Tail

Additional buttons are provided in the bottom row of the Touchscreen to take you to more editing commands.

EDITING 2 Provides buttons for Grid and Nudge value, Link Timeline/Edit Selection, Link Track/Edit Selection, Separate Clip on Grid or on Transients, and more. Press the EDITING button to return to the previous page.

SELECT Provides buttons for Move Selection Up/Down, Extend Selection Up/Down, Nudge Selection, and other commands related to selections. Press the EDITING button to return to the previous page.

FADES/TRIM Provides Fade to Start, Fade to End and other commands for fades, as well as Trim Clip commands (such as To Selection, Start to Insertion, and End to Insertion). Press the EDITING button to return to the previous page.

Wheel Provides commands to let you use the Jog/Shuttle wheel for basic Jog and Shuttle as well as horizontal and vertical scrolling, Mark In and Mark Out, zooming, and moving selections. Press the EDITING button to return to the previous page.

☼ *For more info on using the Jog/Shuttle wheel see "Using the Jog/Shuttle Wheel" on page 46.*

Counter Provides Main and Sub Counter mode selectors, as well as buttons to select time base (such as Bars|Beats or Minutes:Seconds). Press the EDITING button to return to the previous page.

In addition, the 12 Soft Keys below the Touchscreen follow the Touchscreen and provide access to functions such as Undo, Cut, Copy, Paste, and Separate.

Selecting Edit Tools and Edit Modes

One of the most frequent tasks in Pro Tools is selecting different Edit Tools (such as the Grabber, Selector, Trimmer and their variants) and Edit Modes such as Slip mode and Grid modes. This section shows how you can use the Soft Keys on Artist Control to access Edit Tools and modes.

☼ *On Artist Transport, you can reassign any of its 12 Soft Keys to provide access to Edit commands.*

To access Edit Tools and Modes in the Touchscreen:

■ In Page 1 (HOME) of the Touchscreen, press TOOLS. The default TOOLS page provides buttons for each Edit Mode, Edit Tool and variants, zoooming and more.

To change Edit Tools using the Soft Keys:

1 Press **SHIFT** +**SOFTKEYS/HOME** to return the Soft Keys to their first (home) page.

Soft Keys Home Up/Home

2 Press the **SOFT KEYS V** (down) key once to navigate the Soft Keys to the second page.

Soft Keys V (Down)

3 Press the Soft Key for the desired Edit Tool (such as the Trim, Selector, or Grabber**)**. You can press the buttons in the bottom of the Touchscreen, or their corresponding Soft Key.

4 Press an Edit Tool Soft Key again to select the next option for that tool. For example, pressing Trim repeatedly cycles through all available Trim tool options. If it does not, see "Edit/Tool Mode Lock" on page 46.

To select the Smart Tool:

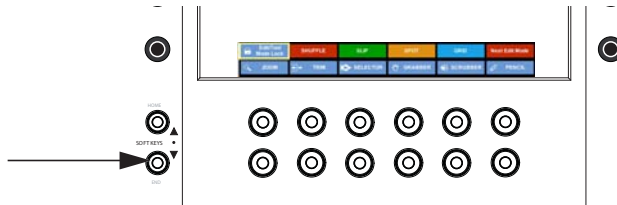■ Press the Soft Keys for any two of the Edit Tools Trim, Selector, or Grabber simultaneously.

To change Edit Modes using the Soft Keys:

1 Press **SHIFT** +**SOFTKEYS/HOME** to return the Soft Keys to their first (home) page.

2 Press the **SOFT KEYS V** (down) key once to navigate the Soft Keys to the second page. The Soft Keys display now shows Edit Modes in the upper row.

3 Press the Soft Key for the desired Edit Mode (Shuffle, Slip, Spot, or Grid). To toggle between Absolute and Relative Grid mode, press the Grid Soft Key again. In Pro Tools, the Edit Mode display shows Rel Grid when that mode is enabled.

Edit/Tool Mode Lock

Edit/Tool Mode Keyboard Lock lets you lock the currently selected Edit Tools (Zoom, Trim, Grabber, and Pencil only) in place and prevent them from being inadvertently changed to one of their other variants (such as Zoom changing from Normal Zoom to Simple Zoom).

To lock (or unlock) the current Edit Tool modes:

1 Press **SHIFT +SOFTKEYS/HOME** to return the Soft Keys to their first (home) page.

2 Press the **SOFT KEYS V** (down) key once to navigate the Soft Keys to the second page.

3 Press the Soft Key for Edit/Tool Mode Lock.

Using the Jog/Shuttle Wheel

The Jog wheel on Artist Control and Shuttle ring on Artist Transport can perform a variety of functions such as basic Jog and Shuttle, zooming, and adjusting track height. You can also use it to adjust clip gain (see "Clip Gain" on page 53).

Jog and Shuttle

To use the Jog wheel to jog and shuttle:

1 Enable Jog mode by pressing the **JOG** key (if available) or the Soft Key assigned to Jog.

2 Rotate the Jog wheel to jog back or forward.

3 To enable Shuttle mode, press the **SHUTTLE** key or the equivalent Soft Key, if available.

4 To exit Jog or Shuttle mode, press **STOP**.

Zoom Horizontally

To zoom horizontally:

1 Press the **ZOOM HORIZONTAL** key, or assign a key to Zoom Horizontal using EuControl software.

2 Spin the Jog wheel to the left to zoom out horizontally (show more session time), or to the right to zoom in.

Zoom Verticaly (Adjust Track Height)

To adjust track height (zoom vertically):

1 Place the cursor in the tracks you want to adjust.

2 Press the **ZOOM VERTICAL** key (on Artist Control, press **SHIFT**+**ZOOM HORIZ**), or assign a key to it using EuControl software.

3 Spin the Jog wheel to the left to zoom out (reduce track height), or to the right to zoom in and increase track height.

Marking and Moving Selections

To use the wheel for Mark In and Mark Out:

1 From Page 1 of the Touchscreen, press EDITING > WHEEL.

2 Begin playback (press **PLAY** in the Transport).

3 At the desired selection start point, press the Mark In button in the Touchscreen.

4 At the desired selection end, press Mark Out.

5 Press **STOP**.

To use the wheel to move a selection:

1 Make a selection within a track.

2 From Page 1 of the Touchscreen, press EDITING > SELECT.

3 Use any of the available Touchscreen buttons as desired. Choices include common selection commands such as Move Selection Up/Down, Extend Selection Up/Down, Nudge Selection Start Forward/Back, and more.
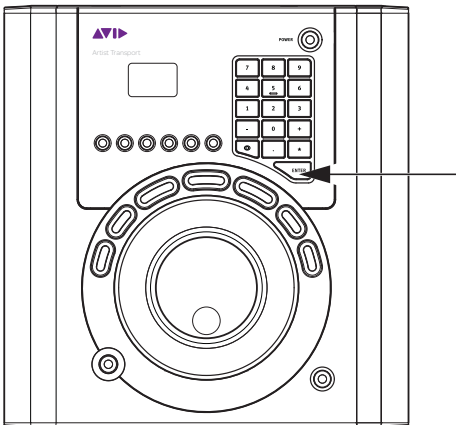
Using Markers (Memory Locations)

Pro Tools Markers let you store and navigate to specific locations in your session (such as to mark the beginning of a verse, or the beginning of dialog). They also let you navigate to selections in the timeline (such as an entire verse, or complete scene), store and recall track height and show/hide status, and more.

Any controller with a numeric keypad such as the Artist Transport can create and recall (go to) Memory Locations. Artist Control provides Touchscreen pages for creating, recalling, and managing Markers as well as Window Configurations.

Using Markers on Artist Transport

To create a Marker in a Pro Tools session using Artist Transport:

1 Begin playback.

2 At the point where you want to store a marker, press the **Enter** key on the numeric keypad.

Enter key on the numeric keypad

To recall a Marker using Artist Transport:

■ On the Artist Transport numeric keypad, press Decimal (.), the Memory Location number, and Decimal (.) again.

Using Markers on Artist Control

To create a Marker in Pro Tools with Artist Control:

1 Navigate the Touchscreen to Page 1 (HOME), then press MEM LOC to go to the Memory Locations/Markers page.

2 Begin Pro Tools playback, or place the Edit cursor at the desired location in the session.

3 When playback reaches the desired location, press CREATE in the Touchscreen.

4 On-screen, configure the New Memory Location dialog as desired. (For information on the options available in this dialog, see the *Pro Tools Reference Guide*.)

5 Press the OK Soft Key (below the Touchscreen). Or press Cancel to cancel the new marker.

To recall a Marker using Artist Control:

1 From the Touchscreen Page 1 (HOME) press MEM LOC. The default assignments for this page list the first 12 markers across the top two rows of Soft Keys. The bottom row of Touchscreen Soft Keys navigate to additional markers (1–12, 13–24, and so on).

2 Press a Touchscreen button to recall that Marker/memory location (such as <MemLoc1>).

3 To access other memory locations, press the appropriate button along the bottom row of the (default) Touchscreen. For example, to recall Marker 32, press the key 25–36, then press <Mem Loc32>.

To edit a Marker using Artist Control:

1 From the Touchscreen Page 1 (HOME) press MEM LOC.

2 Press EDIT (the key starts to flash).

3 Press the Touchscreen key for the marker you want to edit (such as <Mem Loc1>).

4 On-screen, configure the Edit Memory Location window as desired.

5 Press the OK Soft Key to confirm your changes (or press Cancel to cancel).

To delete a Marker using Artist Control:

⚠ *Be careful when deleting Markers. There is no confirmation dialog or opportunity to cancel; once you select a marker to delete, it is deleted.*

1 From the Touchscreen Page 1 (HOME) press MEM LOC.

2 Press DELETE (the button starts to flash).

3 Press the Touchscreen button for the marker you want to delete (such as <Mem Loc1>).

Working with Windows and Window Configurations

Toggle Mix and Edit Windows

Artist Control and Artist Mix let you toggle between the Pro Tools Mix and Edit windows.

To toggle Mix and Edit window views from Artist Control:

■ From the Touchscreen Page 1 (HOME) press Mix/Edit Window Toggle.

To toggle Mix and Edit window views from Artist Mix:

■ Press **SHIFT**+**<NUDGE/MIXER**.

Window Configurations

In Pro Tools, Window Configurations let you store and recall arrangements of windows on-screen.

To store a Window Configuration:

1 Open and arrange Pro Tools windows as desired.

2 From the Touchscreen Page 1 (HOME) press WINDOW.

3 In the WINDOW page, press NEW WIN CONFIG.

4 Configure the on-screen New Window Configuration dialog as desired.

5 Press the OK Soft Key (or click OK on-screen).

To recall a Window Configuration:

1 From the Touchscreen Page 1 (HOME) press WINDOW. The top two rows of Soft Keys list the first 12 Window Configurations in the current session.

2 Press the Soft Key for the desired Window Configuration. To navigate to other stored Window Configurations, use the Soft Keys in the bottom row (such as 13–34).

Other keys in the default WINDOW page let you edit, clear, and update Window Configurations, as well to control Auto Update. For more information on these features, see the *Pro Tools Reference Guide*.

Recalling Layouts

EuControl software lets you store and recall assignments of specific tracks as *Layouts*. Layouts let you assign specific tracks to specific faders, and have those fader strips ignore banking and nudging (ensuring that the specific tracks remain available for as long as the Layout is active).

Artist Control provides a page of Touchscreen Soft Keys for selecting and recalling Layouts. Storing Layouts requires a combination of Soft Keys and on-screen configuration of the EuControl Assign and Layouts tabs. Once stored, Layouts can be recalled directly from Artist Control.

📖 *For more information about the Assign and Layouts tabs in EuControl software, see the User Guide that came with your Artist Series controller.*

To store a Layout with Artist Control:

1 In Touchscreen Page 1 (HOME) press LAYOUTS.

2 Press a Soft Key in the upper part of the Touchscreen to select an unused Layout (such as LAYOUT 1).

3 Open the EuControl Settings window and click the Assign tab. (See "Viewing EuControl Settings On-Screen" on page 10.)

4 Before creating a custom Layout, we recommend saving one "home" Layout so you can quickly return fader strips to standard banking. To do so:

   • Make sure all strips say <auto assigned> in the Assigned To column. If any are not, click the displayed name in the Assigned To column and choose <auto assigned>.

   • Use the mouse to go to the Layouts tab, click to select row (Layout Name) "1" and click Store.

   • Give the new Layout a descriptive name such as "All" or "Home" so you can easily recognize it. To do so, click in the Name column for the desired Layout until you can edit the default name, then enter a new name and press the Enter key on your computer keyboard.

5 Use the mouse to return to the Assign tab.

6 Use the mouse to configure the Assign tab by clicking in the Assigned To column for each strip and selecting a track to assign (lock) to that fader strip. Repeat for each available strip (on Artist Control there are four available fader strips; if your system also includes an Artist Mix, you will see more available fader strips in the Assign tab).

7 Use the mouse to go back to the Layouts tab.

8 In the Layouts tab, click to select an available Layout (such as 2).

9 Use the mouse to click Store.

10 By default, Layouts are named according to the date and time they were stored. If you want to rename the Layout for easier recognition, click its name in the list and enter a new name. For example, if you assigned (locked) a Master Fader or VCA to a fader strip, you might want to name its Layout "MASTER on 4" or similar.

To recall a Layout from Artist Control:

1 From the Touchscreen Page 1 (HOME) press LAYOUTS.

2 Press a Soft Key in the upper part of the Touchscreen to select an available Layout. (Layouts are listed by their name as shown in the Layouts tab of EuControl software).

Tracks assigned in the selected Layout appear on their assigned faders.

3 To exit a Layout, recall the Layout we recommended creating above that stores all fader strips <auto assigned>.

Layouts and Banking/Nudging

Once a Layout is recalled, banking or nudging will only move focus by the number of available (<auto assigned>) fader strips. For example, if a Layout includes three tracks assigned to faders 1–3 on Artist Control, pressing **BANK>** only banks one fader at a time (since only one fader, number 4, is <auto assigned> or "not locked" to a specific track). Note also that it is possible to end up with one track appearing on and being controllable by more than one fader strip. In this case, changes made to one fader are reflected in the other.

Track Views for Editing

You can use modifier keys in combination with Artist Series controls to change track views in the Edit window. This lets you quickly show waveform data in a track.

To change a track view to Volume Automation on Artist Mix or Artist Control:

■ Hold Command+Control (Mac) or Start+Ctrl (Windows) and touch the fader for the track **SEL** key.

To change a track view to Waveform on Artist Mix or Artist Control:

■ Hold Command+Control (Mac) or Start+Ctrl (Windows) and press the track **SEL** key.

For shortcuts to view other types of automation data, see "Shortcuts to Display Automation Playlists" on page 70.

Clip Gain

Artist Control includes clip gain commands in its default Touchscreen assignments. These include commands to show/hide clip gain and info, and buttons to let you use the jog wheel to raise and lower clip gain values.

On Artist Transport you can reassign Soft Keys to provide access to clip gain commands and use the wheel to adjust clip gain values.

Showing and Hiding the Clip Gain Line

To show or hide the clip gain line with Artist Control:

1 From Page 1 (HOME) of the Touchscreen, press CLIP GAIN.

2 Press Clip Gain Line.

Showing and Hiding Clip Gain Info

To show or hide clip gain info:

1 From Page 1 (HOME) of the Touchscreen, press CLIP GAIN.

2 Press Clip Gain Info.

Nudging Clip Gain Up and Down

To increase or decrease clip gain up or down by nudging:

1 Select one or more clips in the timeline.

2 From Page 1 (HOME) of the Touchscreen, press CLIP GAIN.

3 Do the following:
  • To increase clip gain, press the Nudge Clip Gain "up" button.
  • To decrease clip gain, press the lower Nudge Clip Gain "down" button.

4 Select another clip to adjust by pressing the appropriate button:
  • Press Previous Clip to select he previous clip.
  • Press Next Clip to select the next clip.
  • Press Move Selection Up to select the clip above the currently selected clip.
  • Press Move Selection Down to select the clip below the currently selected clip.

Using the Wheel to Adjust Clip Gain

On Artist Control and Artist Transport you can use the wheel to increase or decrease clip gain. This ability is included in the default Appset for Artist Control.

To increase or decrease clip gain up or down using the wheel:

1 Select one or more clips in the timeline.

2 From Page 1 (HOME) of the Touchscreen, press CLIP GAIN.

3 Press Clip Gain WHEEL.

4 Turn the wheel clockwise to increase clip gain; turn it counter-clockwise to decrease clip gain.

Bypassing Clip Gain

To bypass clip gain:

1 Select one or more clips in the timeline.

2 From Page 1 (HOME) of the Touchscreen, press CLIP GAIN.

3 Press Bypass Clip Gain.

Rendering Clip Gain

To render clip gain:

1 Select one or more clips in the timeline.

2 From Page 1 (HOME) of the Touchscreen, press CLIP GAIN.

3 Press Render Clip Gain.

Converting and Coalescing Clip Gain

Pro Tools HD lets you convert clip gain to volume automation, convert volume automation to clip gain, coalesce clip gain to volume automation, or coalesce volume automation to clip gain.

To access Convert and Coalesce commands for clip gain:

1 Select one or more clips in the timeline.

2 From Page 1 (HOME) of the Touchscreen, press CLIP GAIN.

3 Press AUTO.

4 Press the corresponding button to do any of the following:
- Convert Clip Gain to Volume Auto
- Convert Volume Auto to Clip Gain
- Coalesce Clip Gain to Volume Auto
- Coalesce Volume Auto to Clip Gain

5 To return to the main CLIP GAIN page, press BACK.

Chapter 6: Plug-ins and Sends

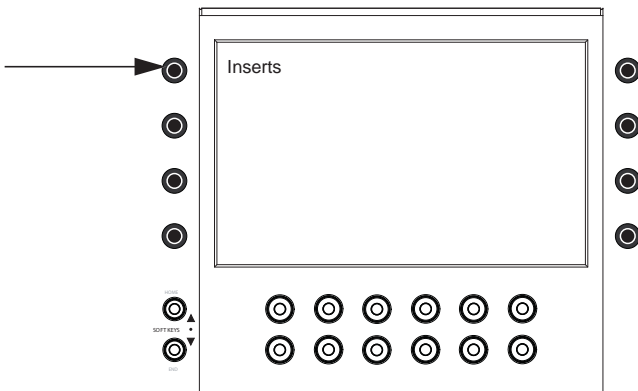This chapter explains how to assign and adjust plug-ins and sends on tracks.

Working with Plug-in Inserts

This section shows you how to work with plug-ins using Artist Control or Artist Mix.

Working with Plug-ins on Artist Control

To access and edit a plug-in on Artist Control:

1 Bank to and select the desired track by pressing its **SEL** key.

2 Press the **INSERTS** encoder.

Soft Encoder for Inserts

If no plug-in is inserted in the current slot, the slot letter appears in lower-case (a, b, c, and so on). If any plug-ins are already assigned in the current slot, the name of the plug-in is shown. Plug-in names are abbreviated as necessary. For example, if the Compressor/Limiter 3 dynamics plug-in is present in the current slot, the display above its track shows CmprsLD.

3 To view other insert slots, press **PAGE>** until that slot and any assigned plug-ins are displayed.

4 Press the encoder for the plug-in you want to edit.

The first page of parameters for that plug-in are mapped across the encoders.

5 Press **PAGE>** (or **<PAGE**) to access other parameters for the current plug-in.

Assigning Plug-ins on Artist Control

To assign a plug-in on Artist Control:

1 Select a track.

2 Press the Inserts encoder.

3 Press both **PAGE** keys (**<PAGE** and **PAGE>**) to enter CONFIG mode. Insert slots are displayed in the Touchscreen (a, b, c, and so on), and both **PAGE** keys flash.

4 Press the encoder next to the desired insert slot. The Soft Encoders show the next level of choices as available on your system (including default EQ or DYN plug-ins if applicable).

5 Press the encoder for the desired insert type. The Soft Encoders show the next level of choices such as EQ, Dynamics, Reverb, and so on. (Choices shown on your system will vary depending on which plug-ins you have installed, and the Pro Tools setting to organize plug-ins by Category or Manufacturer).

6 When the desired plug-in is displayed, press its encoder again to insert it on the selected track.

Making Plug-ins Inactive or Active on Artist Control

To toggle a plug-in between active and inactive:

1 Bank to and select the desired track.

2 Press the Inserts encoder.

3 Navigate the Touchscreen until the desired insert slot and plug-in name is displayed.

4 Press a **SHIFT** key to enable Shift mode (press and release quickly so that both **SHIFT** key LEDs stay lit).

5 Hold Command+Control (Mac) or Control+Start (Windows) and touch the insert name in the Touchscreen.
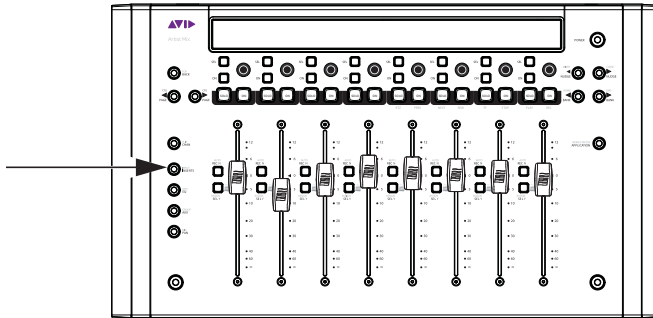
For information about plug-in automation, see Chapter 7, "Automation and Mixing."

Working with Plug-ins on Artist Mix

This section shows how to use the switches on Artist Mix to access any plug-in inserted on a track.

To access and edit a plug-in on Artist Mix:

1 Bank to and select the desired track.

2 Press the **INSERTS** key.

Artist Mix INSERTS key

If no plug-in is inserted in the current slot, the slot letter appears in lower-case (a, b, c, and so on). Any plug-ins in the current slot are displayed in the track LCD display. Names are abbreviated as necessary. For example, if the Compressor/Limiter 3 dynamics plug-in is present in the current slot, the display above its track shows CmprsLD.

3 To view other insert slots, press **PAGE>** until that slot and any assigned plug-ins are displayed.

4 Press the encoder beneath the displayed name of the plug-in you want to edit. The first page of parameters for that plug-in are now mapped across the encoders.

5 Press **PAGE>** (or **<PAGE**) to access other parameters for the current plug-in.

Assigning Plug-ins on Artist Mix

To assign a plug-in on Artist Mix:

1 Select a track.

2 Press the **INSERTS** key. The display shows currently assigned plug-ins (or empty slot letter a–j) above the encoders.

3 Press both **PAGE** keys (**<PAGE** and **PAGE>**) simultaneously to enter CONFIG mode**.** Insert slots for the selected track are shown across the display. For example, on a single Artist Mix (eight faders), slots a–h are shown; to access additional slots (i and j) press the lit **PAGE>** key.

4 Press the encoder below the slot in which you want to insert a plug-in (such as slot a). The display above the first three encoders show the next level of choices as available on your system, including default EQ or DYN plug-ins, if applicable.

5 Do one of the following:

- Press the encoder below no insert to leave that slot unassigned.

- Press plug-in to see a list of plug-in Categories (such as EQ, Dynamics, and other) or Manufacturers. Keep pressing encoders to select the desired Category or Manufacturer (plug-in names are shown across the display) and finally the desired plug-in.

- Press I/O to see available hardware inserts (not available on all systems). Press an encoder to assign that hardware insert.

6 When the desired plug-in is displayed, press its encoder again to insert it on the selected track.

Making Plug-ins Inactive or Active on Artist Mix

To toggle a plug-in between active and inactive:

1 Bank to and select the desired track by pressing its **SEL** key.

2 Press the **INSERTS** encoder.

3 Use the **<PAGE** and **PAGE>** keys to navigate the display until the desired insert slot and plug-in name is shown.

4 Hold Command+Control (Mac) or Control+Start (Windows) and press the encoder row **SEL** key for the desired plug-in.
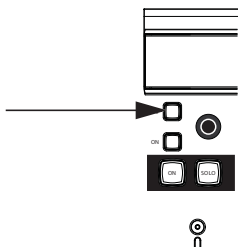
Encoder SEL key on Artist Mix

💡 *For information about automating plug-ins, see Chapter 7, "Automation and Mixing."*

Using the EQ and DYN Keys

You can use the **EQ** and **DYN** keys on the Artist Mix and Artist Control to quickly access inserted EQ or dynamics plug-ins.

To access an EQ or dynamics plug-in directly:

1 Bank to display a track with an EQ (or dynamics) plug-in inserted.

2 Press the **EQ** (or **DYN**) key. The display shows the names of any inserted EQ or dynamics plug-ins, regardless of their slot location (a–f).

3 Press the encoder below the EQ or dynamics plug-in you want to edit.

EQ/DYN Keys and Standard Plug-in Mapping

When you navigate to an EQ or Dynamics plug-in using the **INSERTS** key, the parameters are arranged across your hardware controls in a layout unique to that plug-in, and/or its manufacturer.

The **EQ** and **DYN** keys, by contrast, map the parameters of supported plug-ins according to a standard control layout. This lets the controls appear in the same arrangement across your controller, regardless of the model or manufacturer.

Selecting Plug-In Settings Files (Presets)

You can select plug-in settings files using Artist Control or Artist Mix.

Artist Control

To select plug-in Settings Files from Artist Control:

1 In the Touchscreen, press the TRACKS key to enter Tracks view mode.

2 Select a track that has at least one plug-in by pressing its channel **SEL** switch, or by touching that track on the screen.

3 In the Touchscreen, press the Inserts encoder. The Soft Encoders show the names of all plug-ins inserted on the selected track.

4 Press the encoder for the plug-in you want to edit. The first page of parameters for that plug-in are mapped across the encoders.

5 Press both **PAGE** keys simultaneously (**<PAGE** and **PAGE>**) to enter Config mode. Both **PAGE** keys flash. The currently selected Settings file is shown next to the first encoder (or if the plug-in is using the factory default Settings file, the encoder shows <fctryd>).

A green dot next to the displayed Settings file means the Compare button is active (the Compare button on-screen is blue). To toggle Compare, tap the green dot in the Touchscreen.

6 Press the available (lit) encoder. All available Settings files appear by the encoders. A green dot indicates which preset is currently selected. Press a flashing **PAGE** key (**<PAGE** or **PAGE>**) to display the previous or next 8 Settings files.

7 To select a Settings file, or to navigate through a folder of Settings files, press its encoder.

8 Press both **PAGE** keys (**<PAGE** and **PAGE>**) again to exit.

Artist Mix

To select plug-in Settings Files from Artist Mix:

1 Select a track that already has a plug-in inserted.

2 Press the **INSERTS** switch. Any plug-ins in the current slot on all currently banked channels are displayed.

3 Press **CHAN** to display all plug-ins on the currently selected track.

4 Press the encoder beneath the displayed name of the plug-in you want to edit. The first page of parameters for that plug-in are mapped across the encoders.

5 Press both PAGE keys (**<PAGE** and **PAGE>**) to enter Config mode. Both **PAGE** keys flash. The currently selected Settings file is shown above the first encoder (or if the plug-in is using the factory default Settings file, the encoder shows <fctryd>).

6 Press the available encoder. Available Settings files appear above the encoders. A green LED indicates which preset is currently selected. Press a flashing **PAGE** key (**<PAGE** or **PAGE>**) to display the previous or next 8 Settings files.

7 To navigate through a folder of Settings files, or to select a Settings file, press its encoder.

8 Press both **PAGE** keys (**<PAGE** and **PAGE>**) again to exit.

9 To use the plug-in Compare button, adjust one or more plug-in parameters (so that the Compare button is lit on-screen), press both **PAGE** keys, then press the lit **ON** switch to toggle Compare.

Working with Sends

This section shows how you can assign and adjust Pro Tools sends.

Some Artist Series hardware and documentation use the term "AUX" for the Pro Tools term "sends." Do not confuse references to "AUX" with Pro Tools Auxiliary Input tracks.

Working with Sends on Artist Control

Assigning Sends

To assign sends on Artist Control:

1 Select one or more tracks.

2 Press the Sends Soft Encoder. The first five Soft Encoders show slots a–e, including any sends already assigned in that slot.
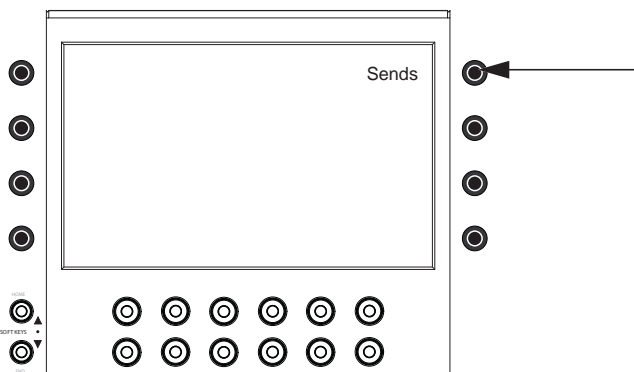
Soft Encoder for Sends

3 If desired, press the lit **PAGE>** key to go to sends f–j.

4 Press both **PAGE** keys (**<PAGE** and **PAGE>**) simultaneously to enter CONFIG mode.

5 Press the encoder for the send slot (a–j) you want to assign. The first three Soft Encoders show the next choices for Send assignment.

6 Press a Soft Encoder to choose one of the following:

no send Assigns no send bus to the selected track(s).

output Displays available output busses in the Soft Encoders.

bus Displays available internal busses in the Soft Encoders.

7 To see additional choices, press the lit **<PAGE** or **PAGE>** key.

8 When the desired output or bus is displayed, press the Soft Encoder for the desired choice. A green dot appears indicating that send bus is now assigned to the currently selected tracks.

To assign the send to all selected tracks, hold Option+Shift (Mac) or Alt+Shift (Windows) and press the encoder. To assign the send on all tracks, hold Option (Mac) or Alt (Windows).

Opening and Editing Sends on Artist Control

To access and edit a send on Artist Control:

1 Select a track with send already assigned.

2 Press the SENDS Soft Encoder. The Soft Encoders show assigned sends, and empty slots (a–e, or f–j).

Once in Aux mode, do any of the following to adjust send parameters:

To adjust send level:

■ Rotate the encoder for the desired send.

To adjust send pan:

1 Press the encoder for the send you want to adjust.

2 Rotate the Soft Knob for **L Pan** and/or **R Pan**.

To mute a send:

■ Touch its Soft Encoder in the Touchscreen display (such as Bus 1). Touch again to unmute.

To toggle the send pre- or post-fader:

■ Hold **SHIFT** and touch the Soft Encoder for the send in the Touchscreen (such as Bus 1).

Making Sends Inactive or Active on Artist Control

To toggle a send between active and inactive:

1 Bank to and select the desired track.

2 Press the SENDS encoder.

3 Navigate the Touchscreen until the desired send is displayed.

4 Press a **SHIFT** key to enable Shift mode (press and release quickly so that both SHIFT key LEDs stay lit).

5 Hold Command+Control (Mac) or Control+Start (Windows) and touch the Send name in the Touch-screen.

💡 *To toggle all sends in that same slot (a–j) on all selected tracks, hold Option+Shift (Mac) or Alt+Shift (Windows) and touch the Send name. To toggle all sends in that slot on all tracks, hold Option (Mac) or Alt (Windows).*

Working with Sends on Artist Mix

Assigning Sends on Artist Mix

To assign a send on Artist Mix:

1 Select a track.

2 Press the **AUX** key.

3 Press both **PAGE** keys (**<PAGE** and **PAGE>**) to enter Send Assign mode. The display shows the current (or last viewed) send slot a–j (an 8-fader system will only show slots a–f). To see additional send slots, press the lit **PAGE>** key.

4 Press the encoder below desired send slot. For example, to assign a send to the current track in slot a, press encoder 1. The display above the first three encoders shows the following choices:

Display	no send	output	bus
Soft Encoder	1	2	3

5 Do one of the following:
- Press the encoder below no send to leave that slot unassigned.
- Press output to see output bus choices (such as Out 1–2).
- Press bus to see available internal busses.

6 To see additional choices (beyond the number of faders in your system) press the lit **PAGE>** key.

7 When the desired send is displayed, press its encoder to make the assignment. In that fader strip, the encoder **ON** key lights.

💡 *To assign a send in the same slot to all selected tracks, hold Option+Shift (Mac) or Alt+Shift (Windows) on your computer keyboard while pressing the desired encoder. To assign to all tracks, hold Option (Mac) or Alt (Windows).*

Opening and Editing Sends on Artist Mix

To access and edit a send (Artist Mix):

1 Bank to and select the desired track.

2 Press the **AUX** key. Send assignments in slot A are displayed in the track LCD display.

3 To view other sends, press **PAGE>** until it is displayed (such as Bus 1–2).

4 To adjust send level, rotate the encoder directly below the desired send.
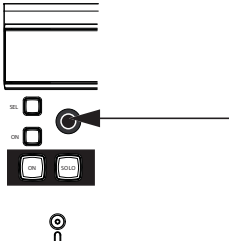
Send level encoder on Artist Mix

To mute the send:

■ Press the **ON** key in the encoder row directly below the desired send. When muted, the **ON** key is unlit; when the send is on, the **ON** key is lit.

To toggle the send between pre- and post-fader:

■ Press the **SEL** key in the encoder row directly below the desired send. Sends are post-fader by default, in which state the **SEL** key is unlit. When the send is pre-fader, the **SEL** key is lit.

To adjust send pan:

1 Press the encoder showing the desired send. If the send is stereo, a single encoder will be mapped to send pan (usually encoder 8). If the send is three or more channels (such as LCR, or a 5.1 send), additional send pan parameters become available in the encoders (such as divergence, center percentage, and other multichannel pan parameters).

2 Rotate the appropriate encoder.

Making Sends Inactive or Active on Artist Mix

To toggle a send between active and inactive:

1 Bank to and select the desired track.

2 Press the **AUX** key.

3 Use the **<PAGE** and **PAGE>** keys to navigate the display until the desired send is shown.

4 Hold Command+Control (Mac) or Control+Start (Windows) and press the encoder row **SEL** key for the desired send.
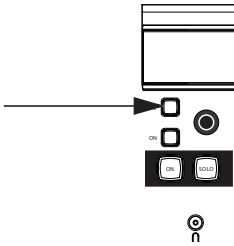
Encoder SEL key on Artist Mix

💡 *To toggle all sends in the same slot on all selected tracks, hold Option+Shift (Mac) or Alt+Shift (Windows) and touch the press the encoder **SEL** key. To toggle all sends in the same slot on all tracks, hold Option (Mac) or Alt (Windows) and press the encoder.*

Chapter 7: Automation and Mixing

This chapter shows many of the ways you can control automation settings and how to pan in multichannel for surround. Nearly all Pro Tools automation commands and options, including advanced features such as Preview and Capture and several Preference settings specific to automation, are available through EUCON.

For a complete list of all available commands, see the Pro Tools EUCON Guide.

For examples of a few of the most common automation workflows, see the following sections.

- "Enabling and Suspending Automation" on page 67.
- "Selecting Track Automation Modes" on page 68.
- "Advanced Automation Features" on page 69.
- "Shortcuts to Display Automation Playlists" on page 70.

For mixing, see "Multichannel Panning for Surround" on page 76.

☝ *Keep in mind that some features are only available with Pro Tools HD.*

Enabling and Suspending Automation

You can control many Pro Tools automation settings directly from the Touchscreen on Artist Control and other units. This section explains how to do so with the default Touchscreen Soft Keys on Artist Control. (With Artist Transport, reassign any of its 12 Soft Keys to the commands described below.)

To open the Automation window using Artist Control:

▪ In Page 1 (HOME) of the Touchscreen, press AUTO BASIC.

To enable or disable automation types:

1 In Page 1 (HOME) of the Touchscreen, press AUTO BASIC.

2 Press the Touchscreen Soft Key for the desired parameter. For example, to toggle Volume automation enabled/suspended, press ENABLE VOLUME. The buttons light when enabled, and goes dim when disabled.

Selecting Track Automation Modes

Artist Control and Artist Mix let you put tracks into specific automation modes directly from the fader strips. Artist Control also provides Touchscreen Soft Keys for each available mode.

To select the track Automation mode from the fader strips on Artist Control or Artist Mix:

1 Hold **SHIFT** while pressing the **REC/AUTO** key on a track.

2 Press **SHIFT+REC/AUTO** again to cycle to the next available automation mode (such as Off, Read, Latch, or Touch).

- To change the automation mode on all tracks, hold Option (Mac) or Alt (Windows) while pressing **SHIFT+REC/AUTO**.

- To change the automation mode on all selected tracks, hold Option+Shift (Mac) or Alt+Shift (Windows) while pressing **SHIFT+REC/AUTO**.

On Artist Control you can also use the Soft Keys Do To All and Do To Selected (see "Do To All and Do To Selected" on page 18).

To select the track Automation mode from the Artist Control Touchscreen:

1 In Page 1 (HOME) of the Touchscreen, press AUTO BASIC.

2 Press and hold down the button for the desired mode (such as TOUCH), then press any track **SEL** key.

To select the track Automation mode for all tracks from the Touchscreen:

1 In Page 1 (HOME) of the Touchscreen, press AUTO BASIC.

2 Enable the Soft Key for Do To All (it lights when enabled).

3 Press the Touchscreen button for the desired mode (such as TOUCH). All tracks switch to the selected mode.

To select the track Automation mode for all selected tracks from the Touchscreen:

1 In Page 1 (HOME) of the Touchscreen, press AUTO BASIC.

2 Enable the Soft Key for Do To Sel (it lights when enabled).

3 Press the Touchscreen button for the desired mode (such as TOUCH). All selected tracks switch to the selected mode.

Punching Out of Automation Recording

To punch out of an automation pass:

■ Press **SHIFT+REC/AUTO** on the desired track.

Advanced Automation Features

The AUTO ADV page provides most Pro Tools advanced automation features. This page and its sub-pages also provide many basic automation commands for convenience.

⏹️ *Some of the advanced automation features described here are only available with Pro Tools HD.*

To access advanced automation features:

■ In Page 1 (HOME) of the Touchscreen, press AUTO ADV. The AUTO ADV page appears.
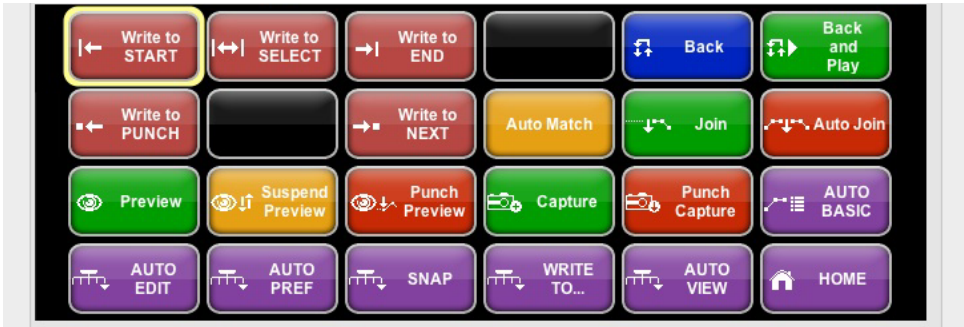
Artist Control Touchscreen showing the AUTO ADV (Advanced Automation) page

The AUTO ADV (Automation Advanced) page is programmed at the factory to provide access to the following features (your exact Soft Key assignments may differ).

- Write to Start, Write to End, and Write to Selection
- Back, Back and Play
- Write to Punch, Write to Next
- AutoMatch
- Join and AutoJoin
- Preview, Suspend Preview, Punch Preview, Capture, and Punch Capture

⏹️ *The AutoMatch Soft Key is equivalent to the on-screen AutoMatch button in the Automation window (it will automatch all controls). For information on AutoMatching an individual type of automation, an individual track, or an individual control, see the Pro Tools Reference Guide.*

The AUTO ADV page also provides buttons for sub-pages with additional automation features.

AUTO EDIT Provides commands to cut, copy, and paste, merge, and repeat automation, as well as Write to Current, Write to All Enabled, Trim, Glide, thin, and Copy to Send. Press BACK to return to the previous page.

AUTO PREF Provides access to Pro Tools Preference settings for automation, as well as commands to Clear Trim, Coalesce/Convert Clip Gain, and for Trim Playlist and Composite Playlists. Press BACK to return to the previous page.

SNAP (Snapshot) Provides available snapshots to select (such as Snap1, Snap 2, and so on). Soft Keys at the bottom of the page let you navigate to additional banks of snapshots (such as 13–24, 25–36, and so on). Additional commands let you save and clear snapshots, along with Capture, Punch Capture, and a button to open the Automation window (Auto Window). Press AUTO ADV to return to the Advanced Automation page.

WRITE TO... Provides commands for all Write To commands, along with Preview, Suspend Preview, Punch Preview, Capture, and Punch Capture. Press SNAP to go to the Snapshot page; press BACK to return to the previous page.

AUTO VIEW Provides commands for changing the type of automation shown in Pro Tools tracks (Track View), as well as commands to control whether or not tracks show clip gain (Clip Gain Line and Clip Gain Info).

Shortcuts to Display Automation Playlists

The following shortcuts let you quickly display the breakpoint automation playlist for a control by clicking it in combination with modifier keys on your computer keyboard. These shortcuts work on Artist Control and Artist Mix.

Do to All and Do to Selected

Note that all the following shortcuts can be performed in combination with the Pro Tools keyboard shortcuts for Do to All and Do to Selected (also available as Soft Keys).

To do to all selected tracks:

■ Hold Option+Shift+Control+Command (Mac) or Alt+Shift+Control+Start (Windows) and press **SEL** on any currently selected tracks.

To do to all tracks:

■ Hold Option+Control+Command (Mac) or Alt+Control+Start (Windows) and press **SEL** on any track.

On Artist Control you can also use the Soft Keys for Do To All and Do To Sel. For more information, see "Do To All and Do To Selected" on page 18.

 Artist Control also provides an AUTO VIEW page (HOME > AUTO ADV > AUTO VIEW) with Soft Keys to show each type of automation. For more information, see "AUTO VIEW" on page 70.

Waveform View

To show the waveform for a track in the Edit window:

- Hold Command+Control (Mac) or Control+Start (Windows) and press the track **SEL** key.

Track Automation Views

Track Volume

To show volume automation for a track in the Edit window:

- Hold Control+Command (Mac) or Control+Start (Windows) and touch the track fader.

Track Pan

To show track pan automation in the Edit window:

1 Press the **PAN** key to have pan on the encoders.

2 Hold Control+Command (Mac) or Ctrl+Start (Windows) and touch the Pan encoder on a track.

Send Level

To show Send level automation in the Edit window:

1 Press the **AUX** key (Artist Mix) or the **SENDS** Soft Encoder (Artist Control) to bring sends to the encoders.

2 If necessary, press the **PAGE>** key until the desired Send slot is displayed.

3 Hold Control+Command (Mac) or Ctrl+Start (Windows) and touch the Send encoder in the desired track.

Send Pan

To show Send pan automation in the Edit window:

1 Press the **AUX** key (Artist Mix) or the **SENDS** soft Knob (Artist Control) to bring sends to the encoders.

2 If necessary, press the **PAGE>** key until the desired send slot is displayed.

3 Press the encoder for the desired send.

4 Hold Control+Command (Mac) or Ctrl+Start (Windows) and touch the Send pan encoder on a track.

Plug-In Automation

Showing Plug-in Automation

To show automation for a continuous plug-in parameter:

1 Press the **INSERTS** key (Artist Mix) or the **INSERTS** Soft Knob (Artist Control).

2 Display the desired plug-in parameter using the encoders and **<PAGE>** keys. (See "Working with Plug-in Inserts" on page 55.)

3 Hold Control+Command (Mac) or Ctrl+Start (Windows) and touch the encoder for the desired plug-in parameter.

To show automation for a switch-type plug-in parameter on Artist Control:

1 Press the **INSERTS** Soft Knob.

2 Display the desired plug-in parameter using the encoders and **<PAGE>** keys. (See "Working with Plug-ins on Artist Control" on page 55.)

3 Hold Control+Command (Mac) or Ctrl+Start (Windows) and touch the plug-in parameter in the Touch-screen.

To show automation for a switch-type plug-in parameter on Artist Mix:

1 Press the **INSERTS** key.

2 Display the desired plug-in parameter using the encoders and **<PAGE>** keys. (See "Working with Plug-ins on Artist Control" on page 55.)

3 Hold Control+Command (Mac) or Ctrl+Start (Windows) and touch the encoder.

Enabling All Plug-in Parameters for Automation

To enable all plug-in controls for automation on Artist Control:

1 Press the **INSERTS** Soft Knob.

2 Hold Control+Command+Option (Mac) or Control+Start+Alt (Windows) and touch the desired plug-in on the Touchscreen.

☼ *Pro Tools provides a preference setting for newly inserted plug-ins to default to all parameters enabled for automation. This preference setting is available from the Artist Control Touchscreen; from the HOME page, press AUTO ADV > AUTO PREF.*

To enable all plug-in controls for automation on Artist Mix:

1 Press the **INSERTS** key.

2 Hold Control+Command+Option (Mac) or Control+Start+Alt (Windows) and press the **ON** key (in the encoder row) for the desired plug-in.

Using VCAs

With Pro Tools HD you can add VCA Master tracks to your session, show tracks in groups assigned to a VCA, and set Preferences for VCAs.

Creating VCA Master Tracks and Assigning Groups to VCAs

To create a new VCA using the New Tracks command on Artist Control:

1 In Page 1 (HOME) of the Touchscreen, press NEW TRACKS.

2 In the NEW TRACKS page, press TYPE until the New Tracks dialog shows VCA MASTER.

3 Configure other settings as desired, then press the OK Soft Key (or click OK on-screen).

To assign a new group to a VCA Master on Artist Control:

1 Create a new Mix or Mix/Edit group type (see "Working with Track Groups" on page 33).

2 In the Create Group dialog, use the mouse to choose an available VCA from the VCA pop-up menu.

Viewing Groups in VCA Masters

You can use Artist Control or Artist Mix to view and adjust tracks in the Group assigned to a VCA.

Artist Control

To view tracks in a group assigned to a VCA on Artist Control:

1 Press **SEL** on the strip for a VCA master that is assigned to a group to select that VCA track.

2 Press the **Mix** Encoder.
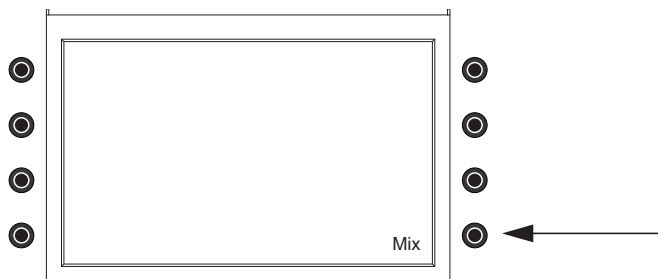
3 The Soft Encoders display the members of that group beginning with encoder 1–8. If there are more than 8 members in the group, the **PAGE>** key lights; press it to show the next members.

💡 *Only the encoders focus on group members; faders remain focused on their currently targeted tracks. To bank only group members to the faders, use Group Spill (see "Group Spill" on page 37).*

4 To mute, solo, or adjust level for each member of the group, do the following:

- To mute a member of the group, touch its Soft Encoder in the Touchscreen. A green indicator below the Soft encoder is lit when the track is unmuted, and off when the track is muted.

- To solo a member of the group, hold **SHIFT** and touch its Soft Encoder in the Touchscreen. A yellow indicator above the Soft Encoder is list when the track is soloed, and off when it is not.

- To adjust track level, turn the knob next to its Soft Encoder.

5 To exit and return the Soft Encoders to their previous view, press the **BACK** key.

Artist Mix

To view tracks in a group assigned to a VCA on Artist Mix:

1 Press **SEL** on the strip for a VCA master that is assigned to a group to select that VCA track.

2 Press **CHAN** on the left of the Artist Mix to enter Channel mode.

3 Press **SHIFT**+**PAN/MIX**. The display above the knobs shows the members of that group.
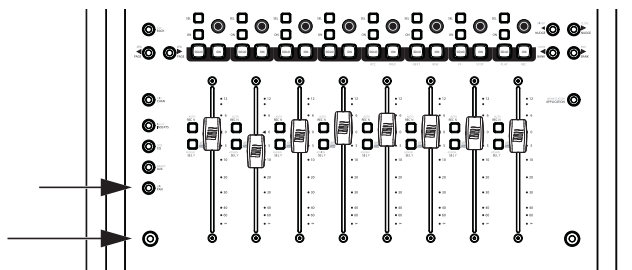
💡 *Only the encoders focus on group members; faders remain focused on their currently targeted tracks. To bank only group members to the faders, use Group Spill (see "Group Spill" on page 37).*

4 To mute, solo, or adjust level for each member of the group, do the following:

- To mute a member of the group, press the **On** button next to its knob.

- To solo a member of the group, press the **Sel** button next to its knob.

- To adjust track level, turn the knob. You can also flip the knobs to the faders by pressing **SHIFT**+**CHAN/FLIP** in order to adjust level from the faders.
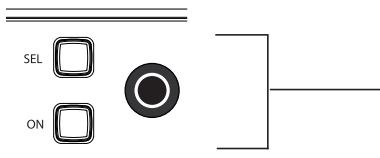
5 To exit, press **CHAN**.

Preferences for VCAs and Trim Automation

The following Pro Tools Preferences and command for VCAs and Trim automation are available as Soft Keys. These are provided in the default Soft Keys on Artist Control, and are available when reassigning Soft Keys on Artist Transport.

To access Preference settings for VCAs on Artist Control:

1 In Page 1 (HOME) of the Touchscreen, press AUTO ADV, then press AUTO PREF.

2 Use the available buttons to toggle the following settings on or off:

- Coalesce when Removing from VCA Group
- Standard VCA Logic for Group Attributes
- Coalesce VCA Automation
- Include Sends in Trim Mode
- Coalesce Trim Automation
- Clear Trim Automation
- Trim Playlist (show the Trim Automation playlist in selected tracks)

For complete information on working with VCAs and using Trim automation, see the Pro Tools Reference Guide.

Multichannel Panning for Surround

You can use Artist Control or Artist Mix to pan in multichannel for surround sound.

Surround Panning on Artist Control

In surround sessions, the Touchscreen lets you use the Soft Encoders to pan tracks in surround.

💡 *The Touchscreen surround panner is not fully supported at this time. Use the encoders instead as described below.*

To pan in surround using the Soft Encoders:

1   Press a track **SEL** key to select a track assigned to a multichannel path (such as a 5.1 output bus).

2   Press the PAN encoder. (If you want to pan a multi-channel send, press the SENDS encoder, then press the encoder for the multi-channel send). Multichannel pan parameters such as divergence, pan, and center percentage appear in the Soft Encoders.

3   Press the lit **PAGE>** key to show other available pan parameters.

4   Rotate an encoder to adjust the selected parameter.

5   To reset a panner to its default position, press the encoder for that parameter. (Be careful with the encoder for LFE; pressing it resets LFE send level to unity/0 dB.)

Surround Panning on Artist Mix

Artist Mix lets you use the encoders to control multichannel pan parameters.

To pan in surround:

1   Press a track **SEL** key to select a track assigned to a multichannel output path (such as a 5.1 or 7.1 output path).

2   Press the **PAN** key.

3   Press the **CHAN** key. Multichannel pan parameters such as Front Left/Right, Front/Rear, divergence, pan, and center percentage appear in the Soft Encoders.

💡 *As an alternative to using the encoders, hold **SHIFT** and press the **CHAN/FLIP** key to flip pan controls to the faders on Artist Mix. Press **FLIP** again to return to encoders.*

4   Press the lit **PAGE>** key to show other available pan parameters.

5   Rotate an encoder to adjust the selected parameter.

6   To reset a parameter to its default setting, press the encoder for that parameter.

📖 *For more information about multichannel mixing, see the Pro Tools Reference Guide.*

Mixdown (Bouncing to Disk and Exporting Tracks)

When you are ready to mix down you can use the default Soft Keys on Artist Control.

To bounce a mix from the current session:

1 From Page 1 (HOME) of the Touchscreen, press MENU > FILE > BOUNCE TO...

2 Do either of the following:

- To bounce to disk, press Bounce to Disc.
- To bounce to Quicktime, press Bounce to QT Movie.

It is sometimes helpful to turn the faders off. See "Turning Faders Off" on page 77.

To export from the current session:

1 From Page 1 (HOME) of the Touchscreen, press MENU > FILE > EXPORT...

2 Press the corresponding button to do any of the following:

- Export Sel Tracks as AAF/OMF
- Export MIDI
- Export Sibelius
- Export Session Info as Text

You can add a new Touchscreen key for Export Selected Tracks as New Session. In the Soft Keys Command Editor, add a EUCON command and choose File > Export > Export Selected Tracks as New Session. For more information, see "Adding a New Touchscreen Soft Key on Artist Control" on page 14.

For more information about Pro Tools Bounce to Disk, Bounce to Quicktime, and Export features, see the *Pro Tools Reference Guide*.

Turning Faders Off

You can "mute" the faders so they do not follow any underlying automation for quieter operation during editing or mixdown. This does not affect automation, it merely parks the faders so they do not move during playback or Bounce to Disk/Quicktime.

To turn faders off on Artist Control:

- From Page 1 (HOME) in the Touchscreen, press AUTO ADV > AUTO PREF > Faders Off. (Repeat to turn faders back on.)

    – or –

- Hold **SHIFT** while pressing **SOLO** in fader strip 1. (Repeat to turn faders back on.)

To turn faders off on Artist Mix:

- Hold **SHIFT** while pressing **SOLO** in fader strip 1. (Repeat to turn faders back on.)

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